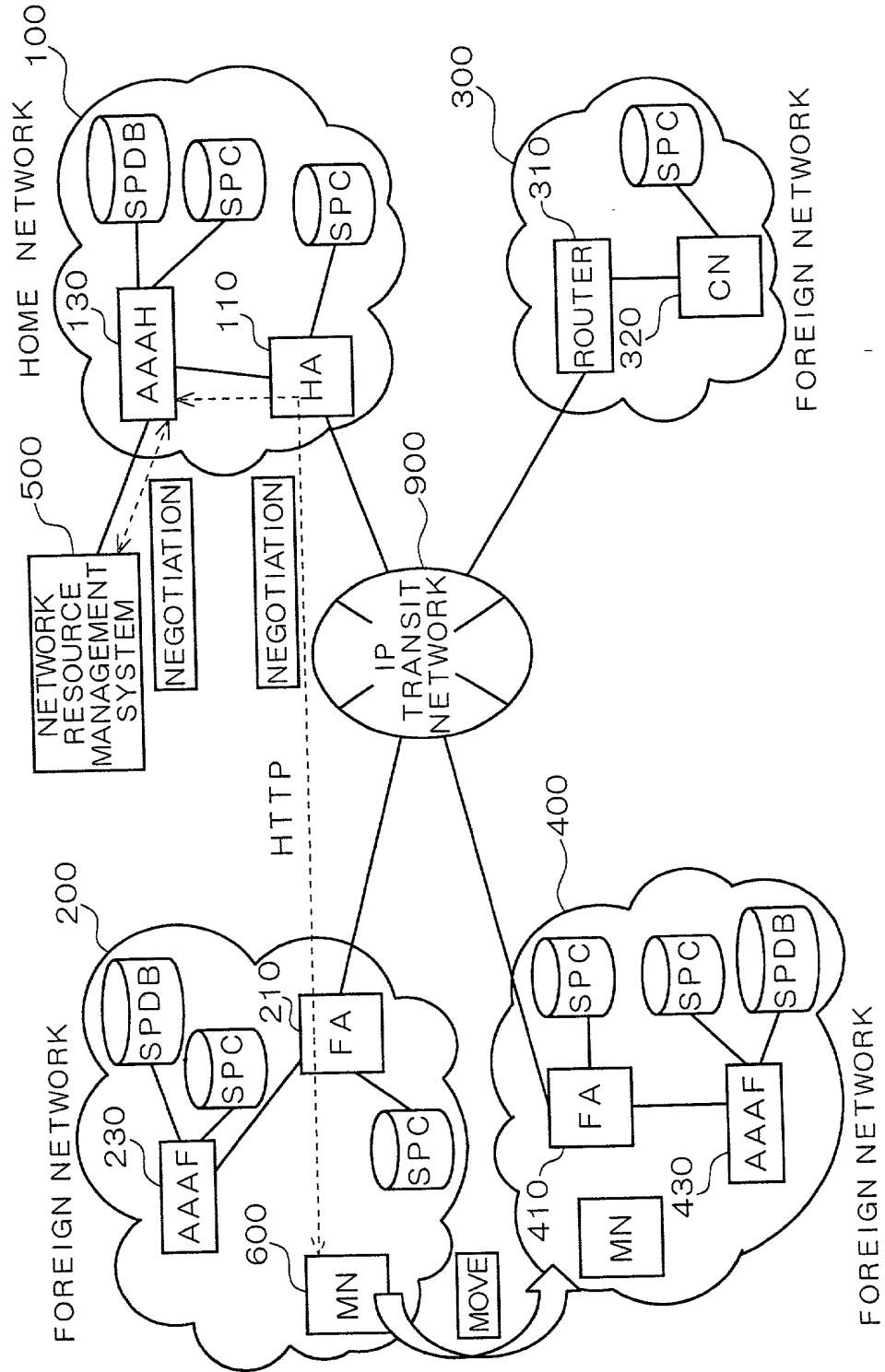


FIG. 1



2/67

FIG. 2

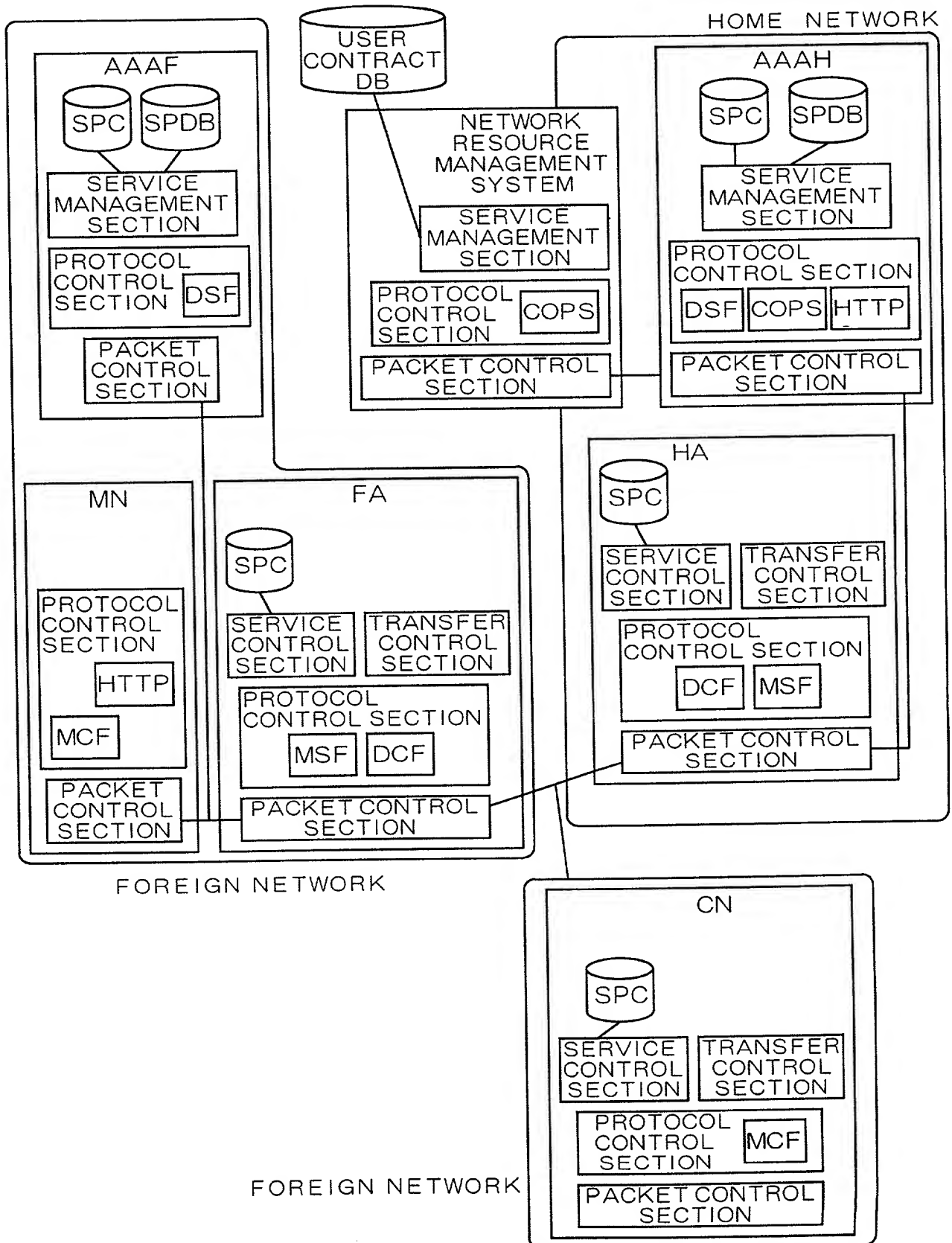


FIG. 3

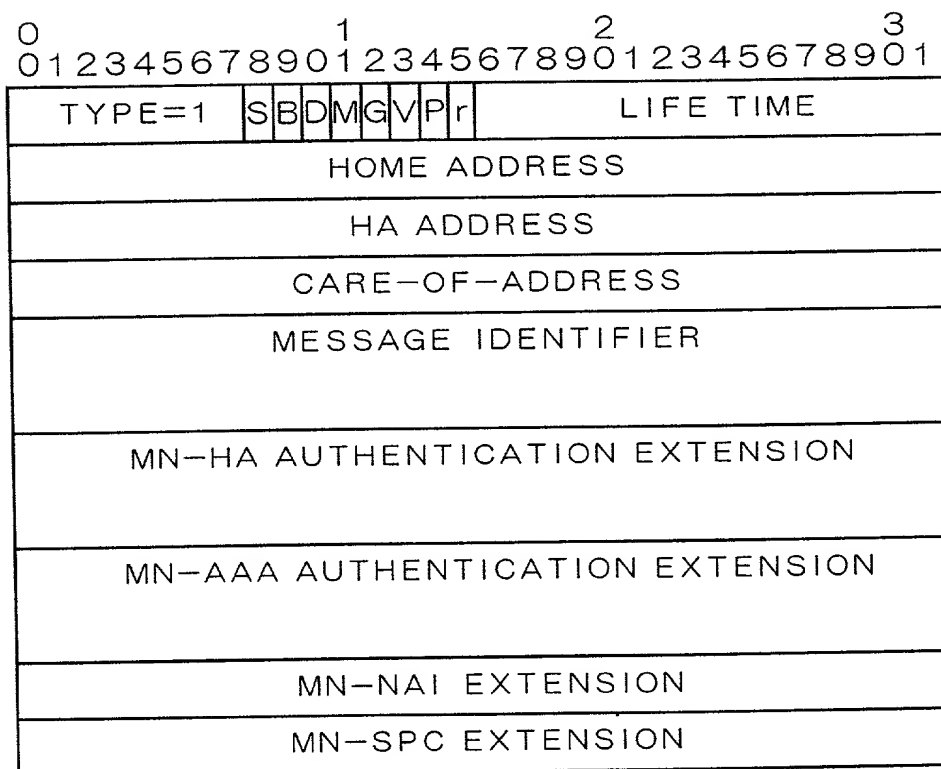
| MESSAGE TYPE | MESSAGE TRANS- FERING NODE | NODE WHICH RECEIVES MESSAGE AND MESSAGE TO BE TRANSFERRED AFTER RECEIVING MESSAGE (MESSAGE TO BE TRANSFERRED AFTER RECEIVING MESSAGE /DESTINATION NODE) | | | | | |
|--------------------------------|-------------------------------------|--|-----------------------------------|---------------------------------|-------------------------------------|--------------|------------|
| | | MN | CN | HA | FA | AAAF | AAAH |
| MIP REGISTRATION REQUEST | MN | — | — | | MIP REGISTRATION REQUEST / HA | — | — |
| | MN | — | — | | AMR/ AAAF | — | — |
| | FA | — | — | MIP REGISTRATION REPLY/FA | — | — | — |
| | FA | TERMINAL | — | — | — | — | — |
| MIP REGISTRATION REPLY | HA | — | — | — | — | — | — |
| MIP BINDING UPDATE | HA | — | MIP BINDING ACKNOWLEDGE /HA | — | — | — | — |
| MIP BINDING ACKNOWLEDGE | CN | — | — | MIP BINDING UPDATE/CN | — | — | — |
| | CN | | | HAA/ AAAH | — | — | — |
| AMR | FA | — | — | — | — | AMR/ AAAH | — |
| | AAAF | — | — | — | — | — | HAR/ HA |

FIG. 4

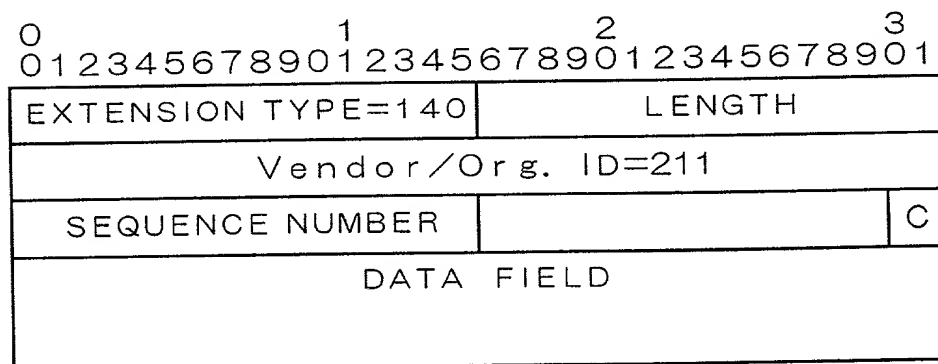
| MESSAGE TYPE | MESSAGE TRANS-FERING NODE | NODE WHICH RECEIVES MESSAGE AND MESSAGE TO BE TRANSFERRED AFTER RECEIVING MESSAGE (MESSAGE TO BE TRANSFERRED AFTER RECEIVING MESSAGE /DESTINATION NODE) | | | | | |
|------------------------------|---------------------------|---|----|-----------------------------|---------------------------------|--------------|--------------|
| | | MN | CN | HA | FA | AAAF | AAAH |
| AMA | FA | — | — | — | MIP REGISTRATION REPLY/MN | — | — |
| | AAAF | — | — | — | — | AMA/ FA | — |
| | AAAH | — | — | MIP BINDING UPDATE/CN | — | — | — |
| HAR | AAAH | — | — | HAA/ AAAH | — | — | — |
| | HA | — | — | — | — | — | AMR/ AAAF |
| | AAAH | — | — | SCA/ AAAH | — | — | — |
| SCR | AAAF | — | — | — | SCA/ AAAF | — | — |
| | FA | — | — | — | — | SCR/ FA | — |
| | FA | — | — | — | — | SCA/ AAAH | — |
| SCA | AAAF | — | — | — | — | TERMINAL | — |
| | HA | — | — | — | — | — | SCR/ AAAF |
| | FA | — | — | — | — | — | — |
| ROUTER ADVERTISE- MENT | FA | MIP REGISTRATION REQUEST / FA | — | — | — | — | — |



FIG. 8



F/G. 9



[illegible]

FIG. 11

| | | | |
|----------------------------------|--------|---|---|
| 0 | 1 | 2 | 3 |
| 01234567890123456789012345678901 | | | |
| TYPE=18 | A | I | M |
| G | RESERV | | |
| -ATION | | | |
| LIFE TIME | | | |
| HOME ADDRESS | | | |
| CARE-OF-ADDRESS | | | |
| MESSAGE IDENTIFIER | | | |
| PROFILE CACHE EXTENSION | | | |

[illegible]

FIG. 13

| | | | |
|----------------------------------|-------------|--------|---|
| 0 | 1 | 2 | 3 |
| 01234567890123456789012345678901 | | | |
| TYPE=19 | RESERVATION | STATUS | |
| HOME ADDRESS | | | |
| MESSAGE IDENTIFIER | | | |

FIG. 14

| |
|------------------|
| IP HEADER |
| UDP HEADER |
| DIAMETER HEADER |
| DIAMETER PAYLOAD |

[illegible]

FIG. 16

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|----|---|---|---|---|-----|---|--|--|--|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | | | | | | | | | | 1 | | | | | | | | | | 2 | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| RADIUS | | | | | | | | | | PCC | | | | | | | | | | Flags | | | | | AW | | | | | Ver | | | | | Packet Length | | | | | | | | | | | | | | | | | | | |
| Identifier | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Next Send (Ns) | | | | | | | | | | | | | | | | | | | | Next Received (Nr) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AVPs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

10/67

FIG. 17

| |
|---|
| <DIAMETER Header> |
| <AA-Mobile-Node-Request Command AVP> |
| <Session ID AVP > |
| <User-Name AVP> |
| <MIP-Registration-Request AVP> |
| <MN-FA-Challenge AVP> |
| <MN-FA-Response AVP> |
| <Mobile-Node-Address AVP> |
| <Home-Agent-Address AVP> |
| [<Previous-FA-NAI AVP>] |
| [<MN-FA-SPI AVP>] |
| [<MN-SPC AVP>] |
| <Timestamp AVP> |
| <Initialization-Vector AVP> |
| {<Integrity-Check-Vector AVP> OR <Digital-Signature AVP>} |

FIG. 18

| |
|---|
| <DIAMETER Header> |
| <Home-Agent-MIP-Request Command AVP> |
| <Session ID AVP> |
| <User-Name AVP> |
| <MIP-Registration-Request AVP> |
| <MN-HA-SPI AVP> |
| <HA-to-MN-Key AVP> |
| <MN-to-HA-Key AVP> |
| <FA-HA-SPI AVP> |
| <HA-to-FA-Key AVP> |
| <MN-FA-SPI AVP> |
| <MN-to-FA-Key AVP> |
| <Home-Agent-Address AVP> |
| <Mobile-Node-Address AVP> |
| [<Service-Profile-Cache AVP>] |
| <Session-Timeout AVP> |
| <Timestamp AVP> |
| <Initialization-Vector AVP> |
| {<Integrity-Check-Vector AVP> OR <Digital-Signature AVP>} |

FIG. 19

| |
|---|
| <DIAMETER Header> |
| <AA-Mobile-Node-Answer Command AVP> |
| <Session ID AVP> |
| <Result-Code AVP> |
| [<Error-Code AVP>] |
| <MIP-Registration-Reply AVP> |
| <MN-FA-SPI AVP> |
| <FA-to-MN-Key AVP> |
| <FA-HA-SPI AVP> |
| <FA-to-HA-Key AVP> |
| <Home-Agent-Address AVP> |
| <Mobile-Node-Address AVP> |
| [<Service-Profile-Cache AVP>] |
| <Session-Timeout AVP> |
| <Timestamp AVP> |
| <Initialization-Vector AVP> |
| {<Integrity-Check-Vector AVP> OR <Digital-Signature AVP>} |

FIG. 20

| |
|---|
| <DIAMETER Header> |
| <Home-Agent-MIP-Answer Command AVP> |
| <Session ID AVP> |
| <Result-Code AVP> |
| [<Error-Code AVP>] |
| <MIP-Registration-Reply AVP> |
| <Mobile-Node-Address AVP> |
| <Home-Agent-Address AVP> |
| [<Service-Profile-Cache AVP>] |
| <Timestamp AVP> |
| <Initialization-Vector AVP> |
| {<Integrity-Check-Vector AVP> OR <Digital-Signature AVP>} |

FIG. 21

| |
|---|
| <DIAMETER Header> |
| <Service-Change-Request Command AVP> |
| <Session ID AVP> |
| <Previous-FA-NAI AVP> |
| <Service-Profile-Cache AVP> |
| <Timestamp AVP> |
| <Initialization-Vector AVP> |
| {<Integrity-Check-Vector AVP> OR <Digital-Signature AVP>} |

FIG. 22

| |
|---|
| <DIAMETER Header> |
| <Service-Change-Request Command AVP> |
| <Session ID AVP> |
| <Result-Code AVP> |
| [<Error-Code AVP>] |
| <Timestamp AVP> |
| <Initialization-Vector AVP> |
| {<Integrity-Check-Vector AVP> OR <Digital-Signature AVP>} |

FIG. 23

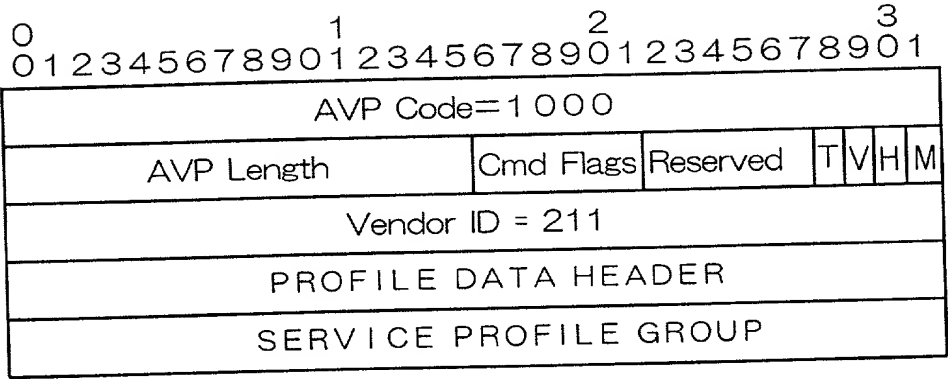
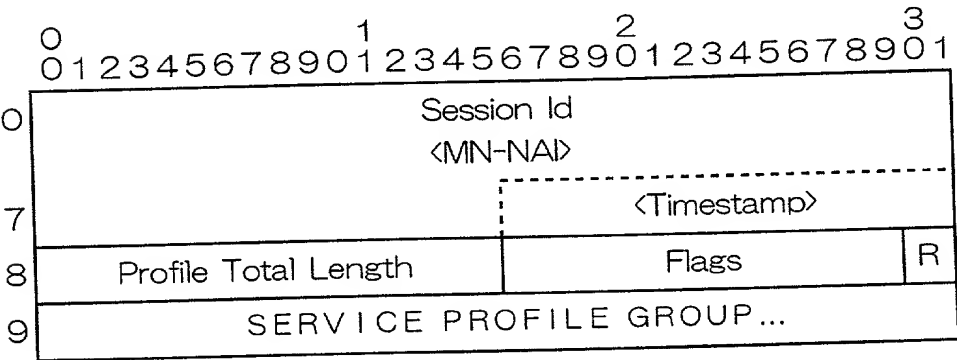


FIG. 24



16/67

FIG. 25

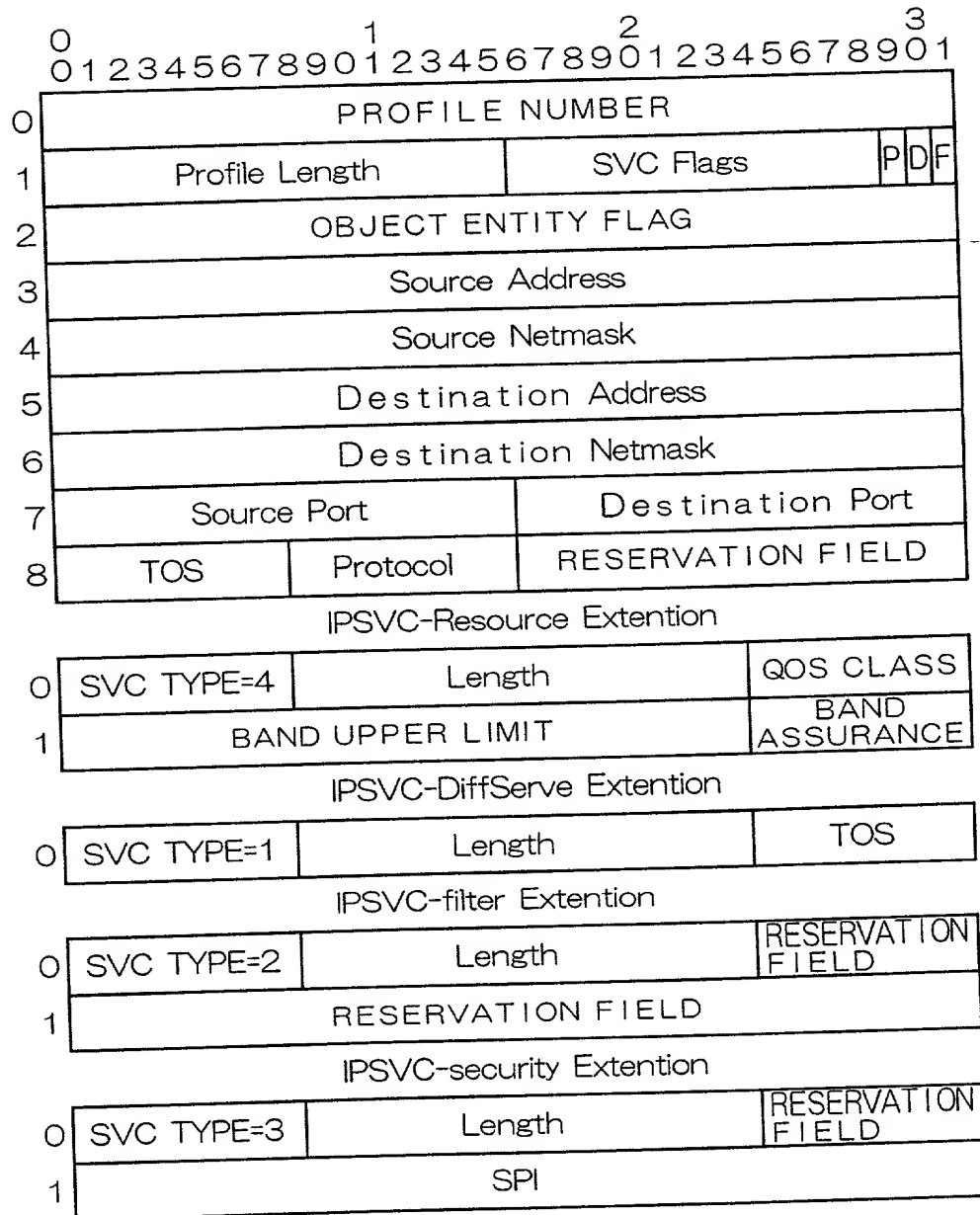


FIG. 26

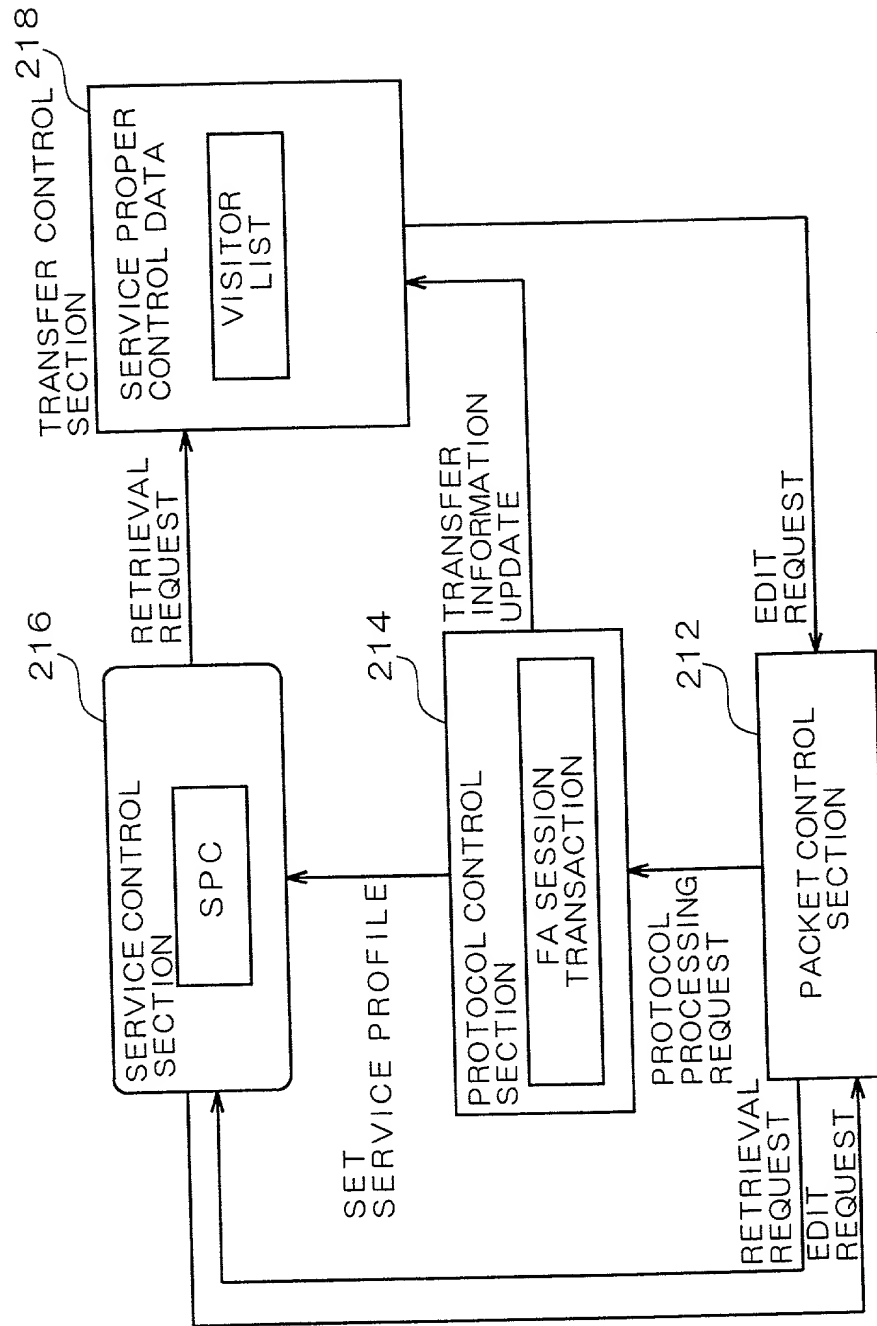


FIG. 27

| STRUCTURAL ELEMENT | EXPLANATION |
|--------------------|--|
| SESSION ID | <NAI OF MN> <32 BIT VALUE> <OPTION> |
| SESSION TIMER | TERM OF VALIDITY FOR THIS TRANSACTION |

FIG. 28

| STRUCTURAL ELEMENT | VALUE | EXPLANATION |
|------------------------------------|---------------|--|
| PROFILE NUMBER | 1 | |
| OBJECT ENTITY | 01000000 | FROM LEFT, FIRST BIT IS HA, SECOND BIT IS FA, THIRD BIT IS CN. ONLY FA IS OBJECT HERE. |
| SOURCE IP ADDRESS | 10.10.10.1 | SOURCE IP ADDRESS OF USER PACKET TO BE SERVICE OBJECT. ADDRESS OF CN IS INDICATED HERE. |
| SOURCE NET MASK | 255.255.255.0 | NET MASK FOR SOURCE IP ADDRESS |
| DESTINATION ADDRESS | 10.10.20.1 | DESTINATION IP ADDRESS OF USER PACKET TO BE SERVICE OBJECT. ADDRESS OF MN IS INDICATED HERE. |
| DESTINATION NET MASK | 255.255.255.0 | NET MASK FOR DESTINATION IP ADDRESS |
| SOURCE PORT NUMBER | 0 | SOURCE PORT NUMBER OF USER PACKET TO BE SERVICE OBJECT. NOTHING IS SPECIFIED HERE. |
| DESTINATION PORT NUMBER | 0 | DESTINATION PORT NUMBER OF USER PACKET TO BE SERVICE OBJECT. NOTHING IS SPECIFIED HERE. |
| BAND CONTROL EXTENSION INFORMATION | | |
| SERVICE TYPE | 4 | BAND CONTROL |
| QoS CLASS | 2 | QoS CLASS BEING USED |
| BAND UPPER LIMIT | 255 | UPPER LIMIT OF AVAILABLE BAND |
| BAND ASSURANCE | 0 | OFF |

FIG. 29

| STRUCTURAL ELEMENT | EXPLANATION |
|---------------------------------------|--|
| IP SOURCE ADDRESS | HOME ADDRESS OF MN THAT IS NOTIFIED WITH REGISTRATION REQUEST OR AMA |
| LINK LAYER SOURCE ADDRESS | ADDRESS OF MN LINK LAYER (MAC) |
| UDP SOURCE PORT | UDP SOURCE PORT NUMBER OF MN |
| HA ADDRESS | ADDRESS OF HA FOR FORWARDING REGISTRATION REQUEST, NOTIFIED WITH REGISTRATION REQUEST OR AMA |
| REGISTRATION REQUEST IDENTIFIER FIELD | IDENTIFIER FOR ASSOCIATING REQUEST WITH RESPONSE |
| LIFE TIME | TERM OF VALIDITY FOR REGISTRATION REQUEST |
| AUTHENTICATION INFORMATION | AUTHENTICATION INFORMATION FOR FA AUTHENTICATE MN |

FIG. 30

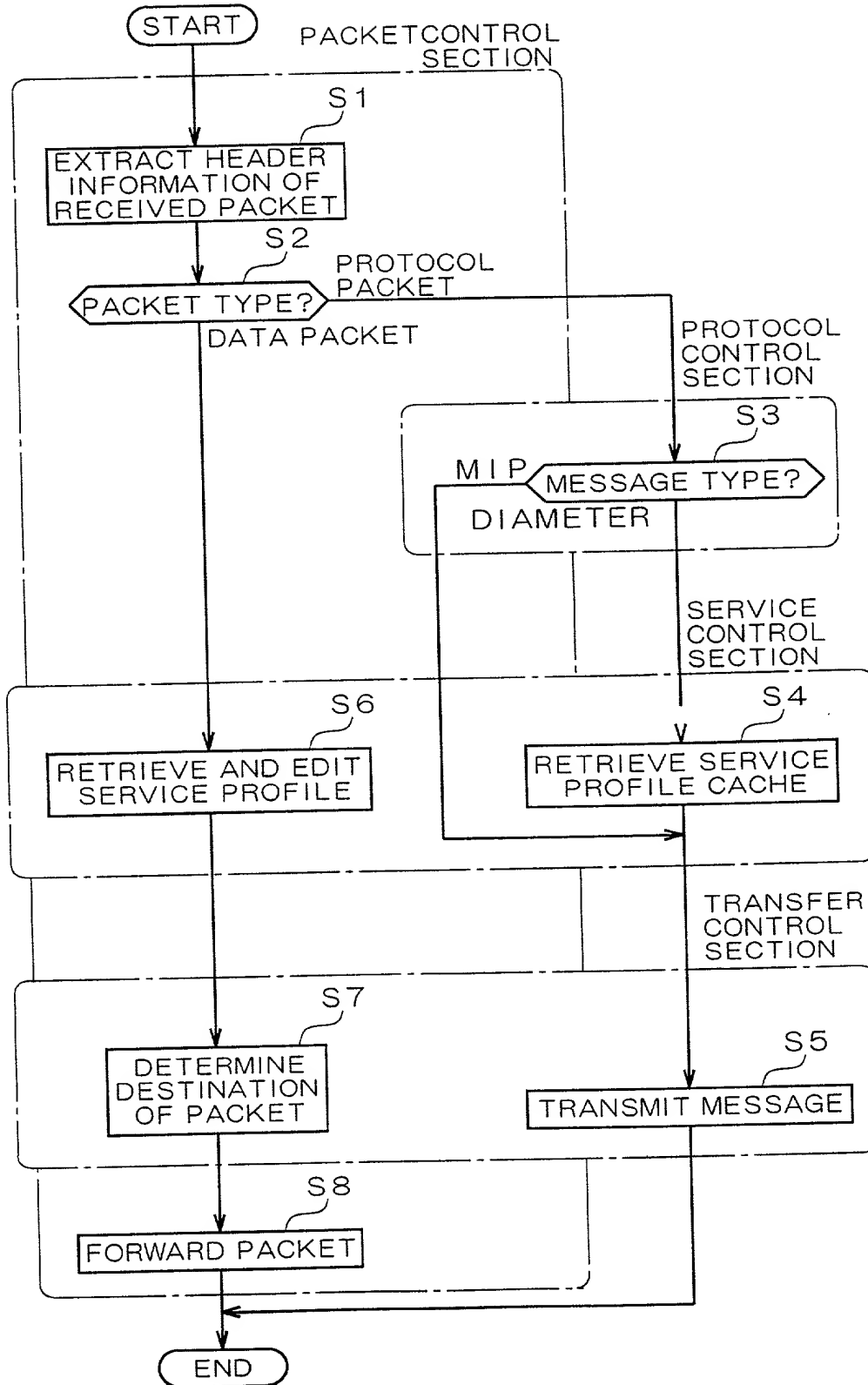


FIG. 31

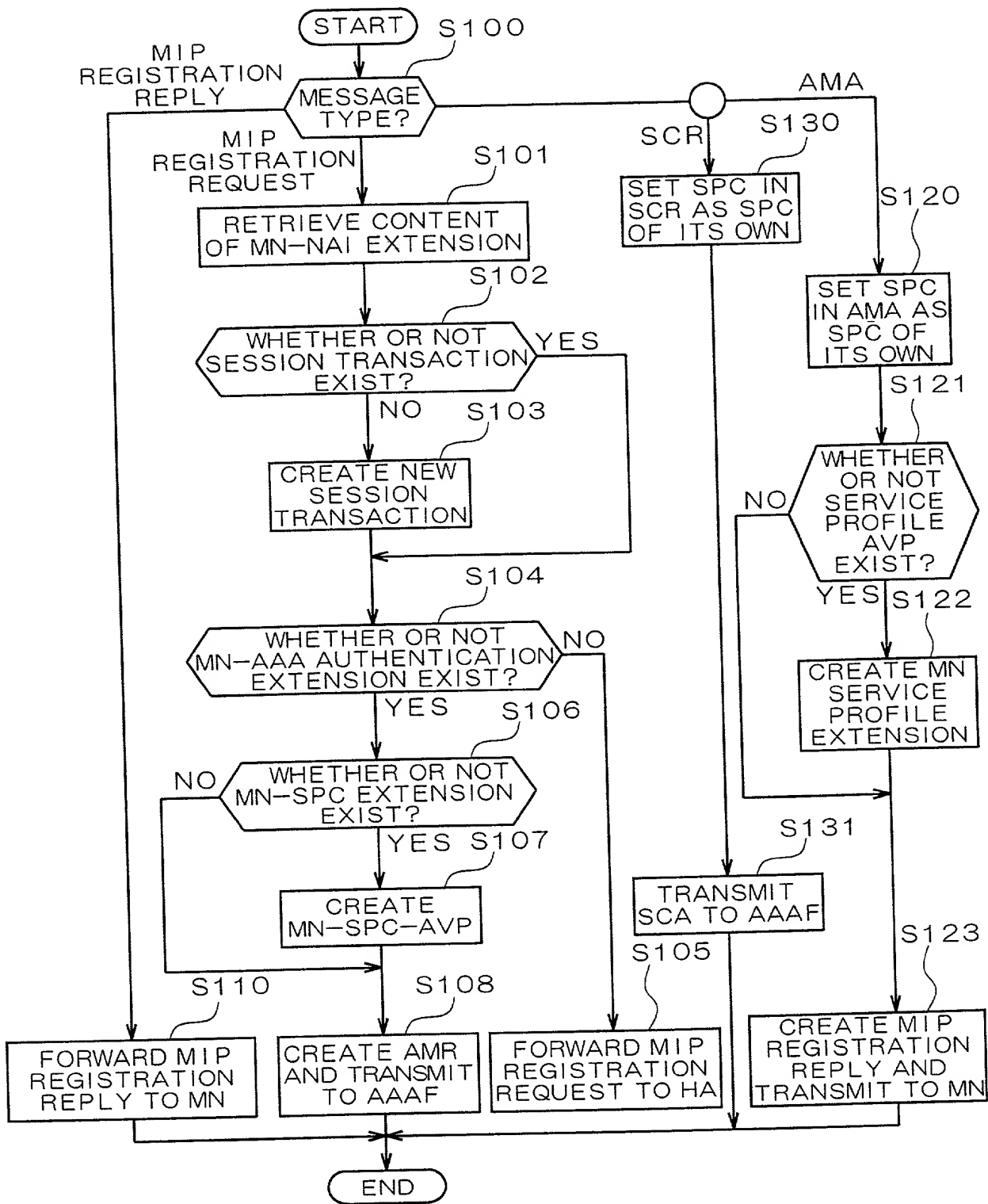


FIG. 32

| STRUCTURAL ELEMENT | EXPLANATION |
|--|---|
| HOME ADDRESS | HOME ADDRESS ASSIGNED TO MN |
| CARE-OF-ADDRESS OF MOBILE TERMINAL EQUIPMENT | IP ADDRESS OF FA TO WHICH MN CURRENTLY CONNECTED |
| REGISTRATION REQUEST IDENTIFIER FIELD | IDENTIFIER FOR ASSOCIATING REQUEST WITH RESPONSE |
| LIFE TIME | TERM OF VALIDITY FOR REGISTRATION REQUEST |
| AUTHENTICATION INFORMATION | AUTHENTICATION INFORMATION FOR HA AUTHENTICATE MN |

FIG. 33

| STRUCTURAL ELEMENT | EXPLANATION |
|--------------------|---|
| CN ADDRESS | CN ADDRESS TO WHICH MIP BINDING UPDATE MESSAGE HAS BEEN TRANSMITTED |
| LIFE TIME | TERM OF VALIDITY FOR AGING PROCESS |
| MESSAGE IDENTIFIER | MESSAGE IDENTIFIER WITH WHICH UPDATE BINDING HAS BEEN BROUGHT ABOUT |

FIG. 34

| STRUCTURAL ELEMENT | EXPLANATION |
|-------------------------------|--|
| SESSION ID | <NAI OF MN> <32 BIT VALUE> <OPTION> |
| SESSION TIMER | TERM OF VALIDITY FOR THIS TRANSACTION |
| MOBILE CONNECTION | POINTER TO MOBILE CONNECTION |
| SCR REQUEST FLAG | FLAG INDICATING THAT SERVICE PROFILE OF CN IS BEING CHANGED |
| SCR REQUEST SOURCE ADDRESS | IP ADDRESS OF ENTITY THAT HAS REQUESTED SCR |

FIG. 35

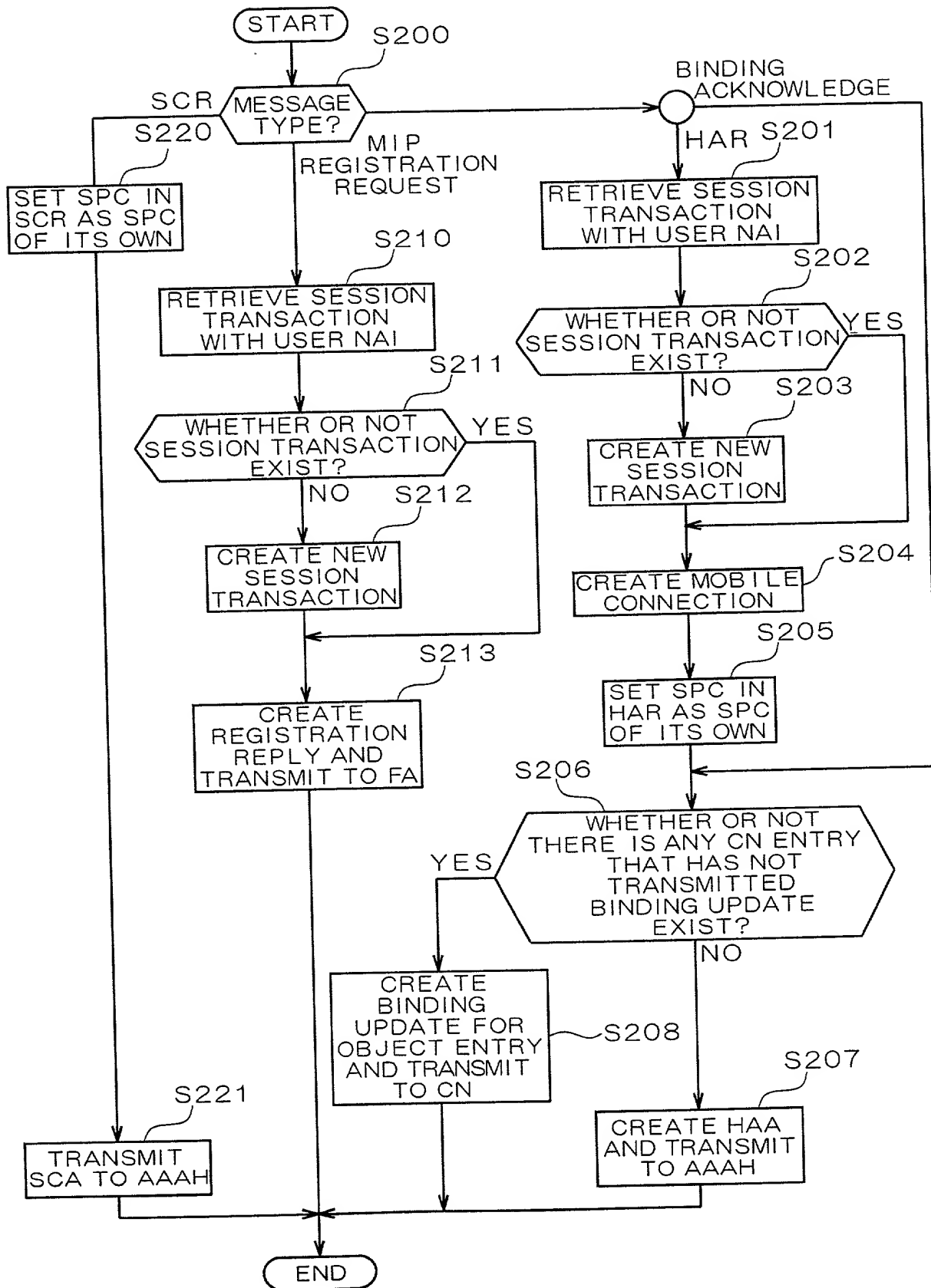
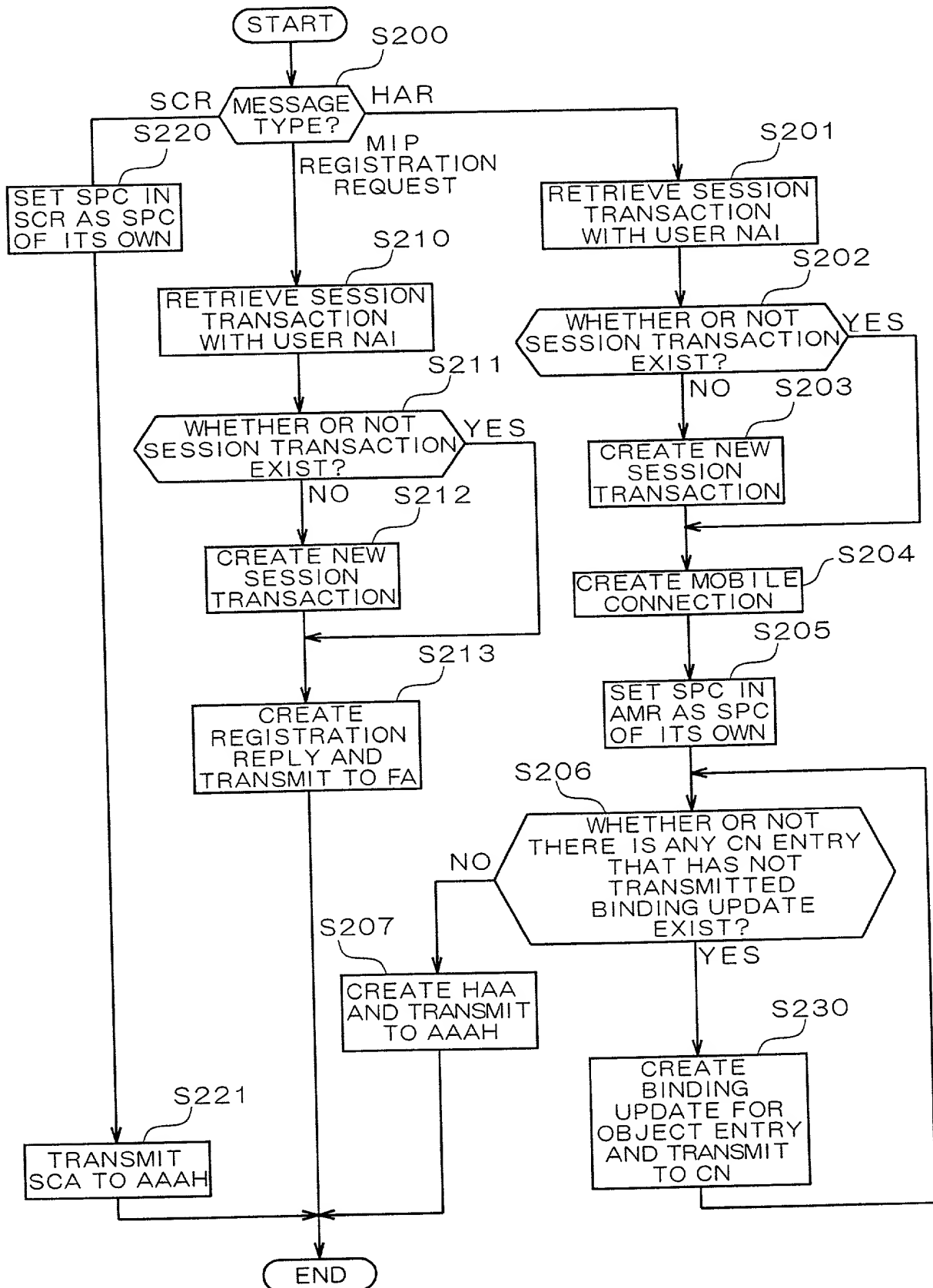


FIG. 36



28/67

FIG. 37

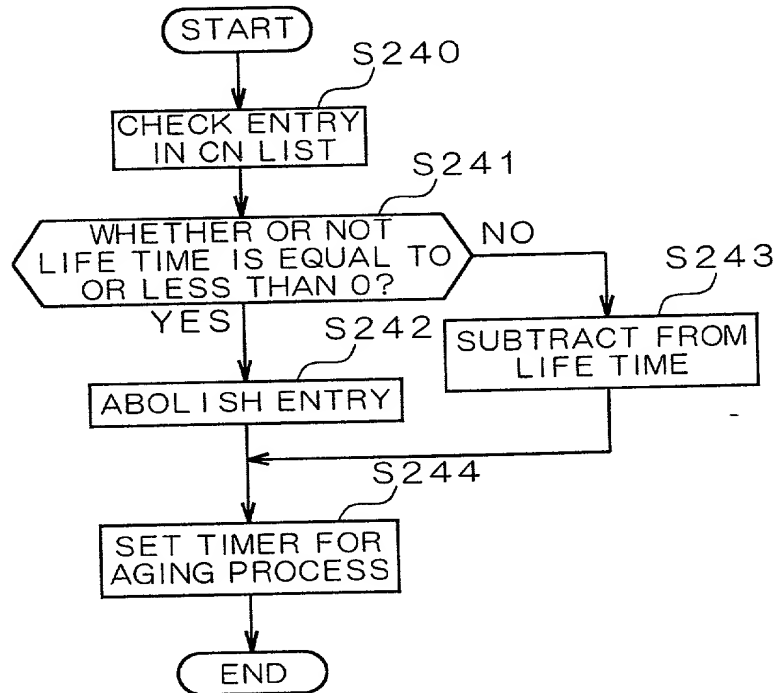


FIG. 38

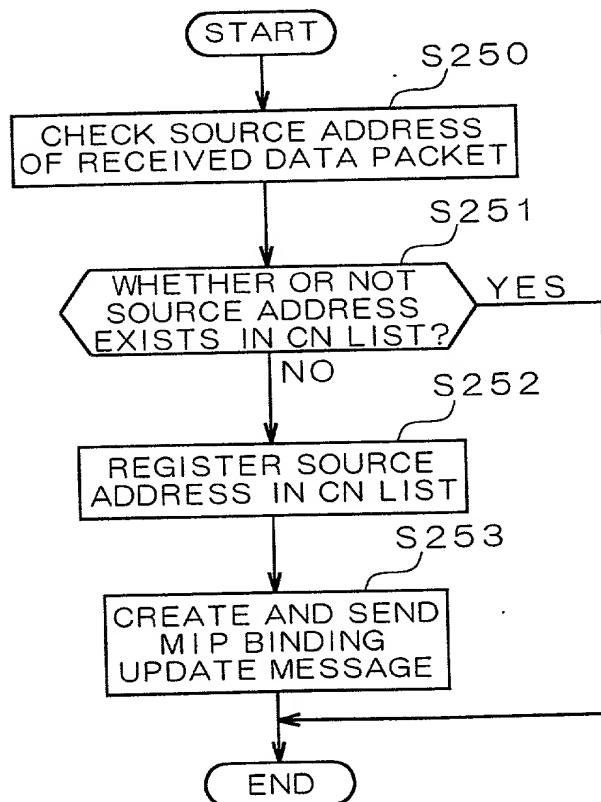


FIG. 39

| STRUCTURAL ELEMENT | EXPLANATION |
|----------------------|---|
| HOME ADDRESS | HOME ADDRESS ASSIGNED TO MN |
| CARE-OF-ADDRESS | IP ADDRESS OF FA TO WHICH MN CURRENTLY CONNECTED |
| LIFE TIME | TERM OF VALIDITY FOR BINDING CACHE |
| ENCAPSULATION METHOD | ENCAPSULATION METHOD BETWEEN CN AND FA |

30/67

FIG. 40

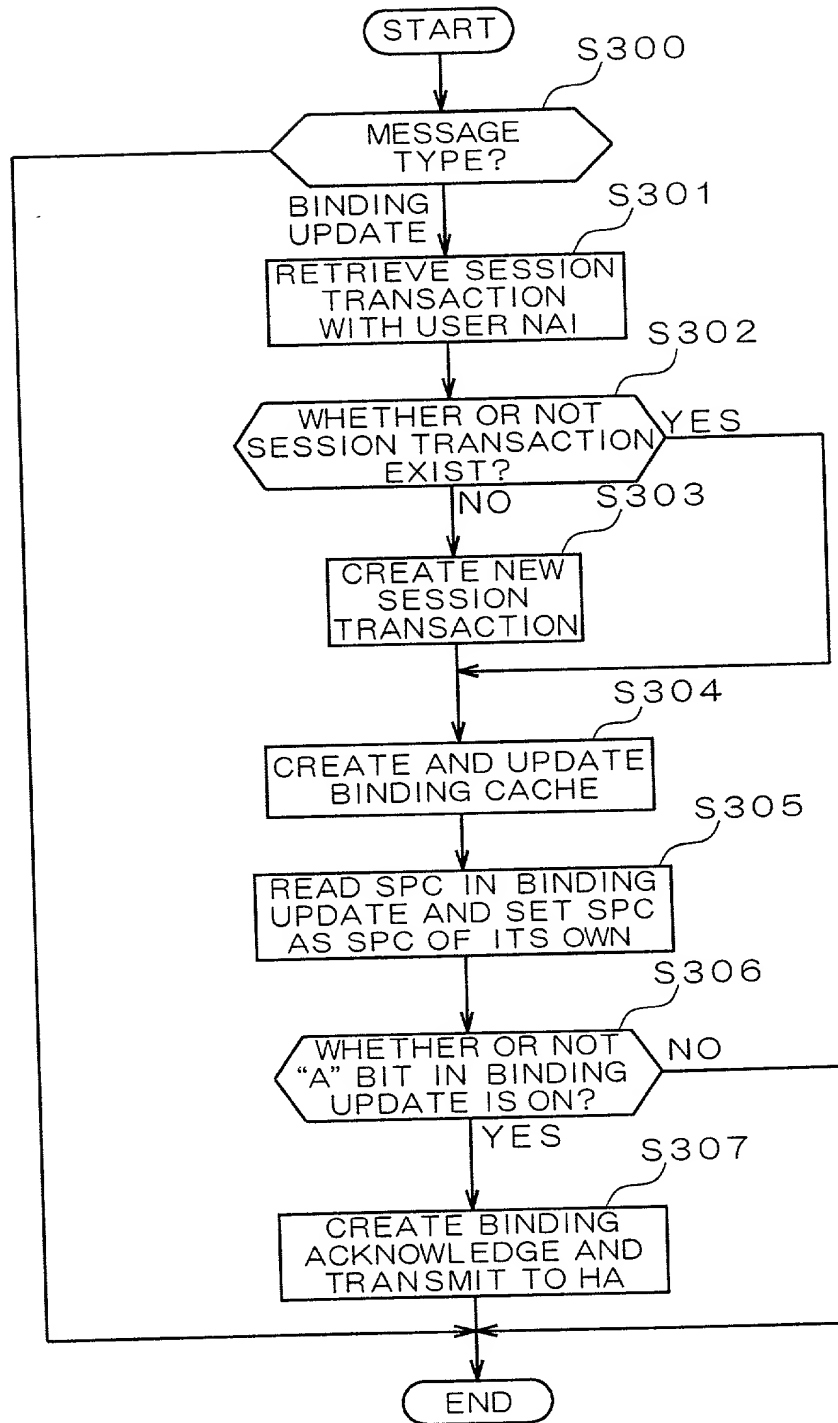


FIG. 41

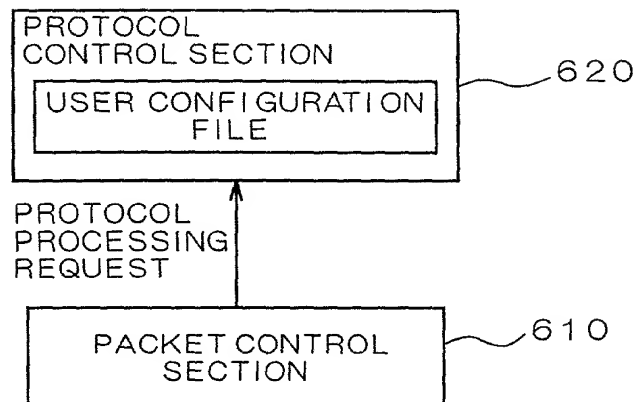


FIG. 42

| STRUCTURAL ELEMENT | EXPLANATION |
|--------------------|---|
| CARE-OF-ADDRESS 1 | CARE-OF-ADDRESS IN ROUTER ADVERTISEMENT |
| CARE-OF-ADDRESS 2 | CARE-OF-ADDRESS IN ROUTER ADVERTISEMENT |

FIG. 43

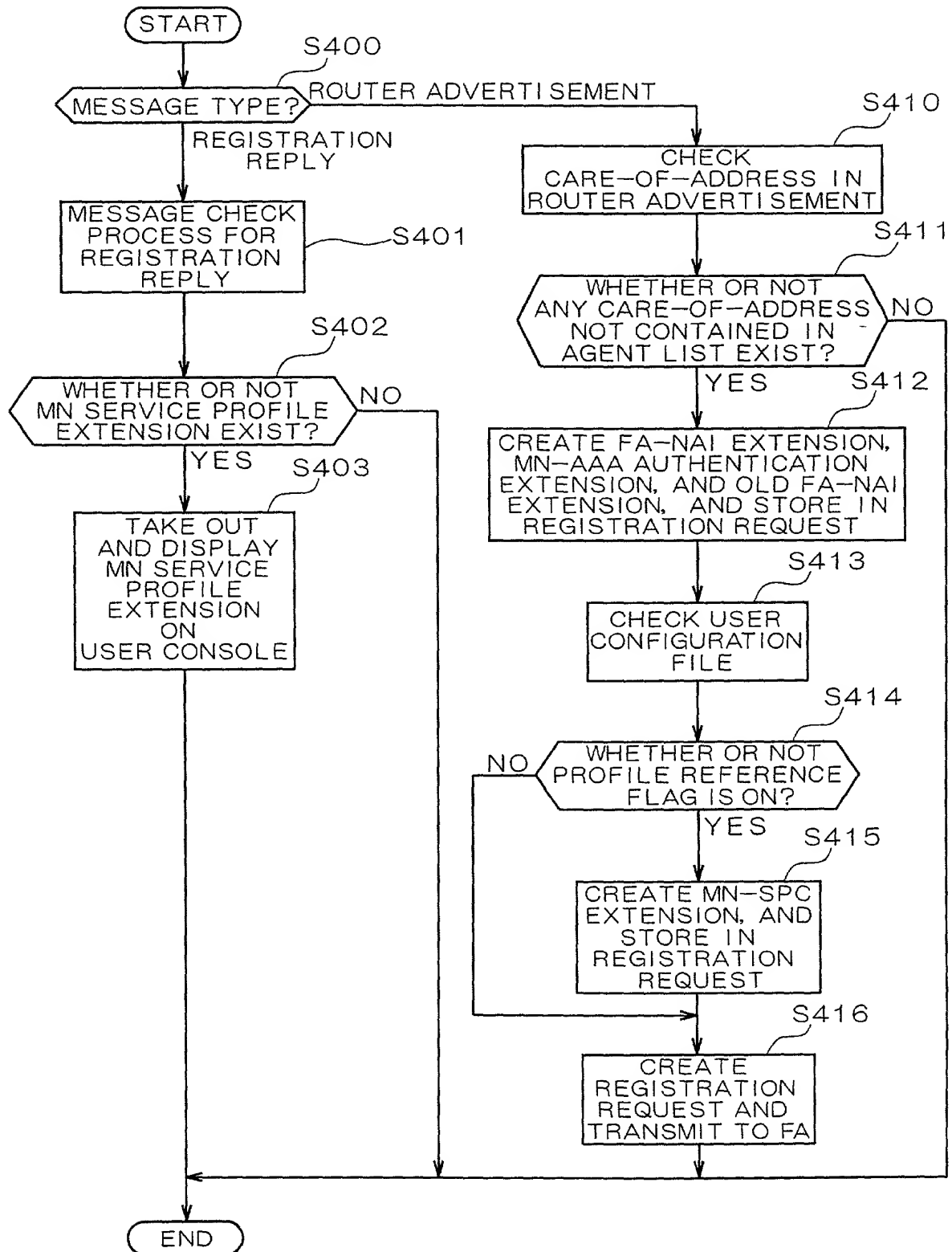


FIG. 44

| TERMINAL WINDOW | |
|--------------------------------------|--|
| # SERVICE PROFILE DISPLAY | |
| # PROFILE NUMBER 1 | |
| # OBJECT ENTITY 1010 0000 | |
| # SOURCE IP ADDRESS 10.10.10.1 | |
| # SOURCE NET MASK 255.255.255.0 | |
| # DESTINATION ADDRESS 10.10.20.1 | |
| # DESTINATION NET MASK 255.255.255.0 | |
| # SOURCE PORT NUMBER 0 | |
| # DESTINATION PORT NUMBER 0 | |
| # SERVICE TYPE 4 | |
| # QoS CLASS 2 | |
| # BAND UPPER LIMIT 255 | |
| # BAND ASSURANCE 0 | |
| # | |
| # | |

FIG. 45

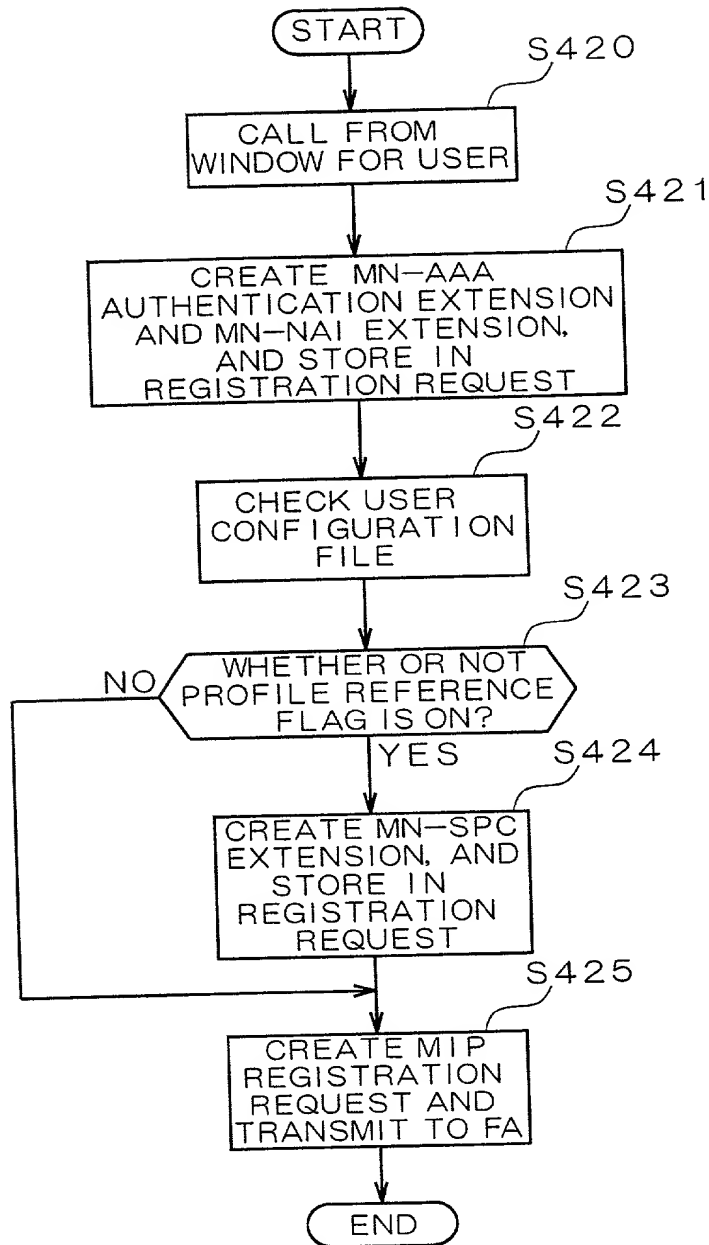


FIG. 46

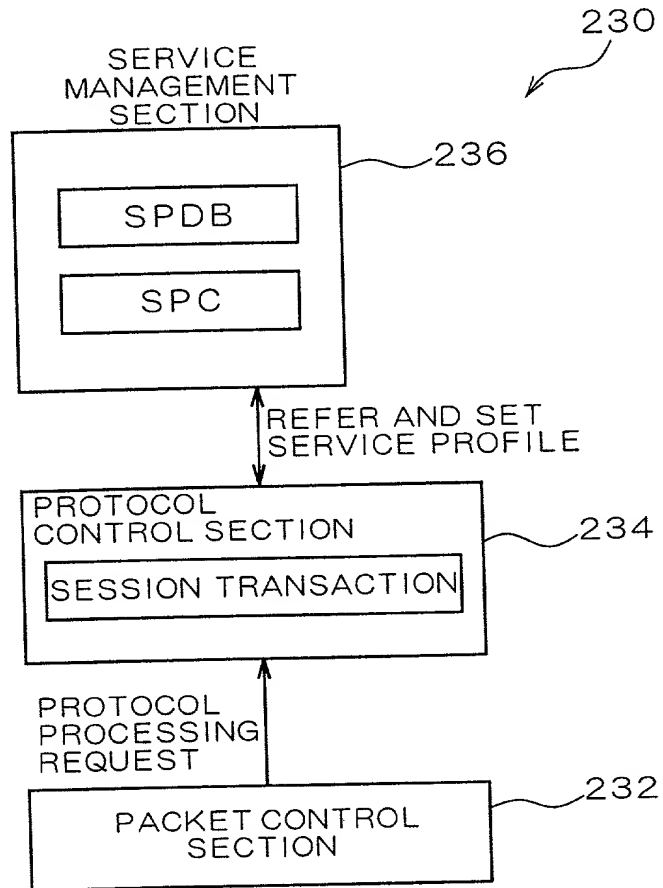


FIG. 47

| STRUCTURAL ELEMENT | EXPLANATION |
|-------------------------------|---|
| SESSION ID | <NAI OF MN><32 BIT VALUE><OPTION> |
| AAAH ADDRESS | IP ADDRESS OF AAAH SPECIFIED BY NAI OF MN |
| HA ADDRESS | IP ADDRESS OF HA ASSIGNED BY AAAF |
| OLD FA-NAI | NAI OF OLD FA WHERE MN MOVE TO NEW FA |
| PRESENT FA-NAI | NAI OF FA WHICH MN CONNECTED AT PRESENT |
| SCR REQUEST SOURCE ADDRESS | IP ADDRESS OF AAAH THAT HAS REQUESTED SCR |
| SPC | |
| SESSION TIMER | TERM OF VALIDITY FOR THIS TRANSACTION |
| STATUS | PROCESS WAITING, HA REQUESTING, AMA PROCESSING, HA CHANGE REQUESTING, FA CHANGE REQUESTING |

FIG. 48

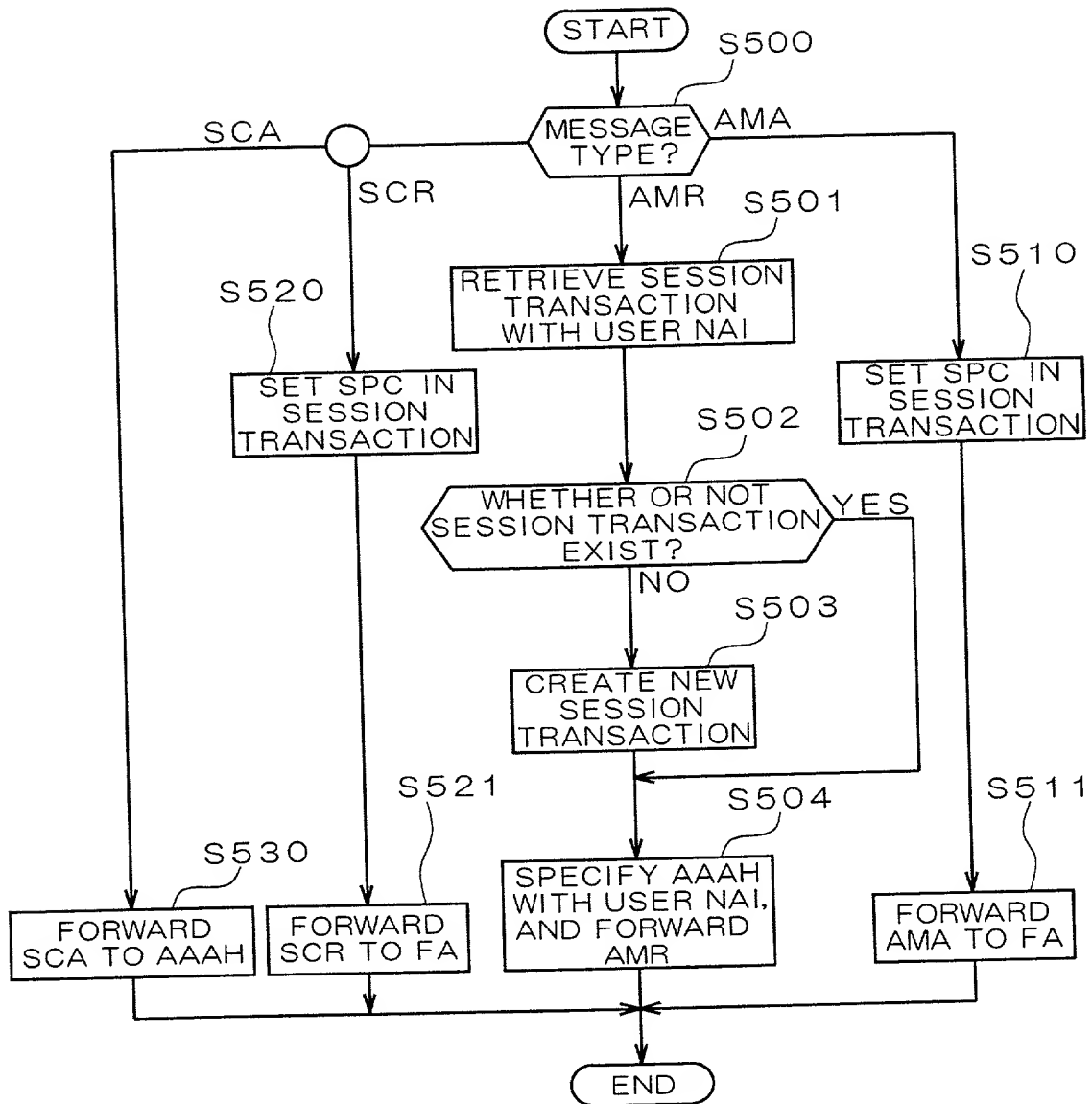


FIG. 49

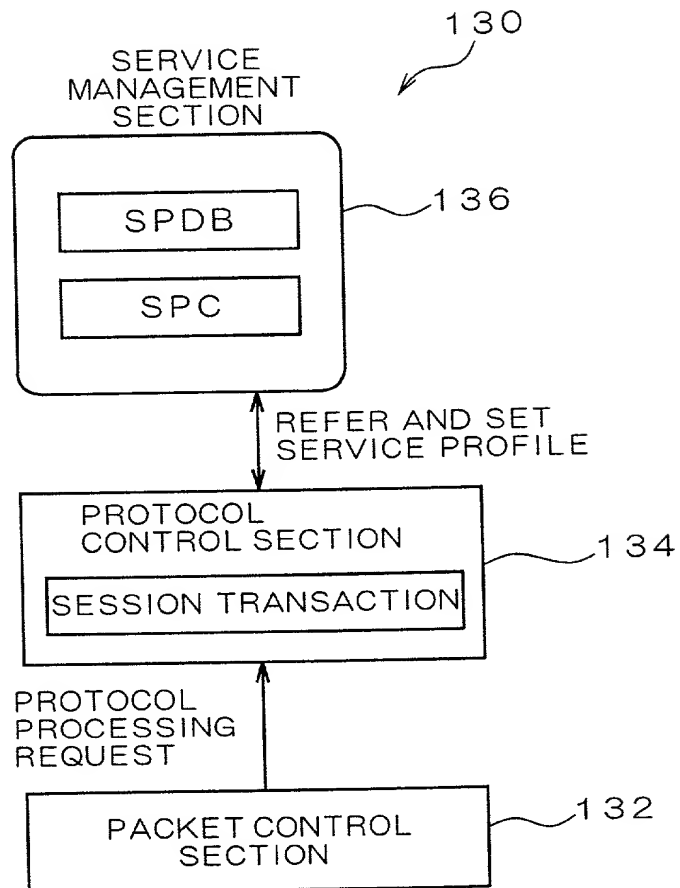


FIG. 50

| STRUCTURAL ELEMENT | EXPLANATION |
|---------------------------|---|
| SESSION.ID | <NAI OF MN><32 BIT VALUE><OPTION> |
| HA ADDRESS | IP ADDRESS OF HA ASSIGNED BY AAAH |
| HA ASSIGNED AAFAF ADDRESS | IP ADDRESS OF AAFAF ASSIGNMENT REQUESTED BY AAAH |
| PRESENT AAFAF ADDRESS | IP ADDRESS OF AAFAF THAT HAS REQUESTED AMR |
| OLD AAFAF ADDRESS | IP ADDRESS OF OLD AAFAF WHEN AAFAF IS CHANGED |
| SESSION TIMER | TERM OF VALIDITY FOR THIS TRANSACTION |
| SPC | |
| STATUS | PROCESS WAITING, HA REQUESTING, HA CHANGE REQUESTING, FA CHANGE REQUESTING, FA CHANGE REQUESTING 2 |

FIG. 51

| STRUCTURAL ELEMENT | EXPLANATION |
|-----------------------------------|--|
| USER NAI | NAI OF MOBILE TERMINAL EQUIPMENT |
| USER SPI | FOR USE WHEN AUTHENTICATING USER |
| USER CONTRACT SERVICE CLASS | INDICATING AVAILABLE SERVICE, QoS, MAXIMUM NUMBER OF PROFILES OF THIS CLASS |
| ACTUAL SERVICE CLASS USED BY USER | CONTRACT SERVICE CLASS OF USER BY DEFAULT, BUT MAY BE HIGHER LEVEL SERVICE CLASS IS APPLICABLE DEPENDING ON CONDITION OF NETWORK UTILIZATION UNDER SUPERVISION OF NETWORK RESOURCE MANAGEMENT SYSTEM |

FIG. 52

| STRUCTURAL ELEMENT | CLASS | | | | EXPLANATION |
|----------------------------|---------|-------------|-------------|-------------|---|
| | | 1 | 2 | 3 | |
| SERVICE CLASS IDENTIFIER | 0 | | | | IDENTIFIER INDICATING CLASS |
| APPLICABLE SERVICE | ALL OFF | SEE FIG. 53 | SEE FIG. 53 | SEE FIG. 53 | INDICATING AVAILABLE SERVICE IN UNIT OF SERVICE CLASS (ON/OFF) |
| MAXIMUM NUMBER OF PROFILES | 0 | 1 | 1 | 1 | MAXIMUM NUMBER OF PROFILES THAT IS ALLOWABLE FOR THIS SERVICE CLASS |

FIG. 53

| SERVICE TYPE | DIFFERENTIATED SERVICE | PACKET FILTERING | SECURITY SERVICE | BAND CONTROL |
|--------------|------------------------|------------------|------------------|--------------|
| CLASS 0 | OFF | OFF | OFF | OFF |
| CLASS 1 | OFF | OFF | OFF | ON |
| CLASS 2 | OFF | OFF | OFF | ON |
| CLASS 3 | OFF | OFF | OFF | ON |

FIG. 54

| NUMBER | STRUCTURAL ELEMENT | EXPLANATION |
|--------|------------------------|---|
| 0 | RESERVATION VALUE | RESERVATION VALUE OF FUTURE |
| 1 | DIFFERENTIATED SERVICE | SERVICE ON BASIS OF DIFFERENTIATED SERVICE (RFC2474, 2475) |
| 2 | PACKET FILTERING | SERVICE FOR FILTERING PACKET WITH IP ADDRESS OF PACKET OR PORT NUMBER |
| 3 | SECURITY SERVICE | SECURE SERVICE USING IPSEC |
| 4 | BAND CONTROL | SERVICE FOR CONTROLLING AVAILABLE BAND FOR MOBILE TERMINAL EQUIPMENT |

Figure 55 shows the structure of the class element in the class element table.

FIG. 55

| STRUCTURAL ELEMENT | CLASS | | | |
|--------------------|-------|---|---|---|
| CLASS IDENTIFIER | 0 | 1 | 2 | 3 |
| APPLICABLE QoS | 0 | 2 | 3 | 4 |

Figure 56 shows the relationship between the QoS and the bandwidth for the different QoS levels.

FIG. 56

| QoS | 0 | 1 | 2 | 3 | 4 |
|----------------|---------------|--------------|--------------|--------------|---------------|
| AVAILABLE BAND | NOT AVAILABLE | 0~100 (kbps) | 0~255 (kbps) | 0~512 (kbps) | 0~1500 (kbps) |
| BAND ASSURANCE | NO | YES | NO | NO | NO |

FIG. 57

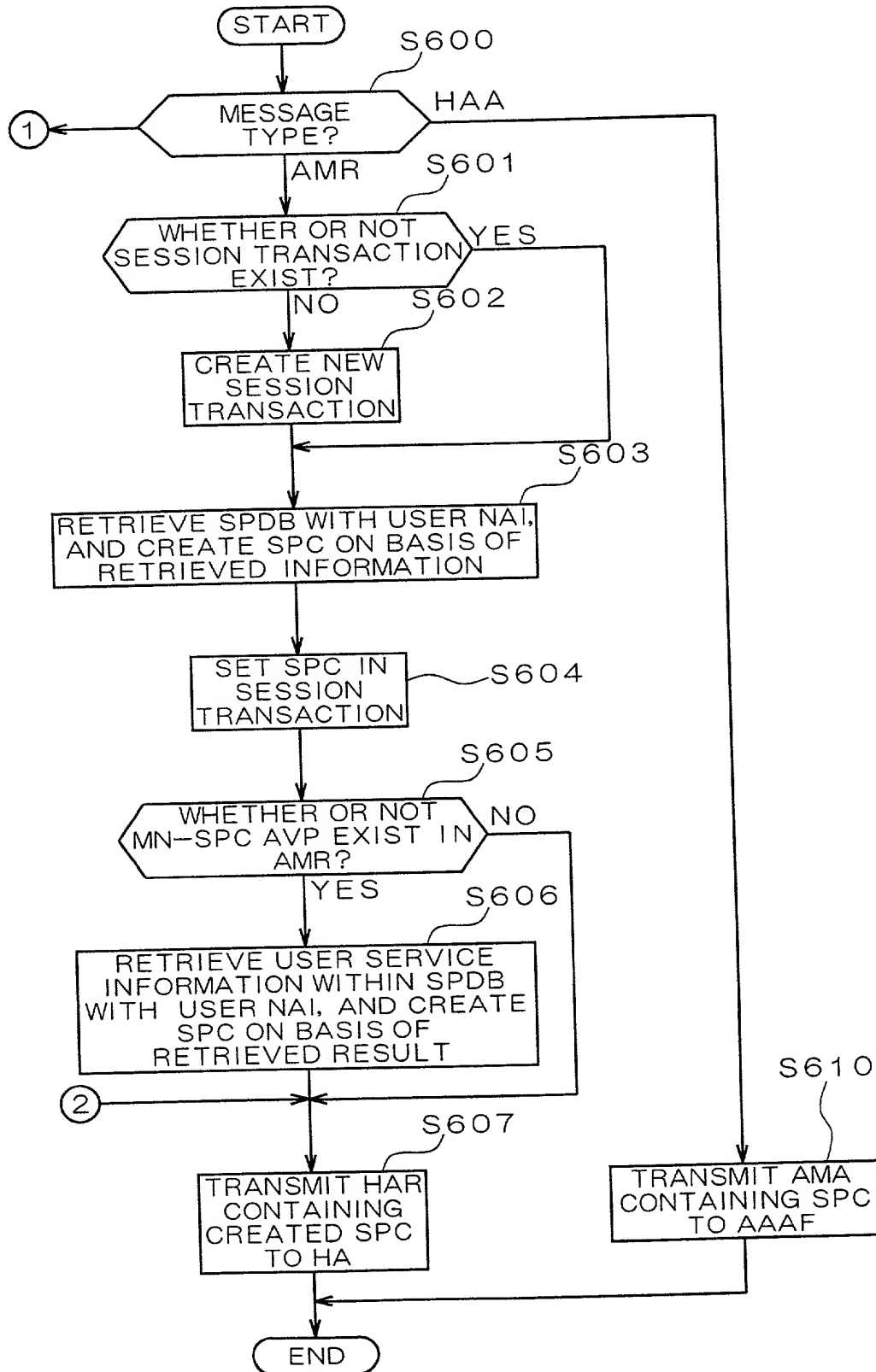


FIG. 58

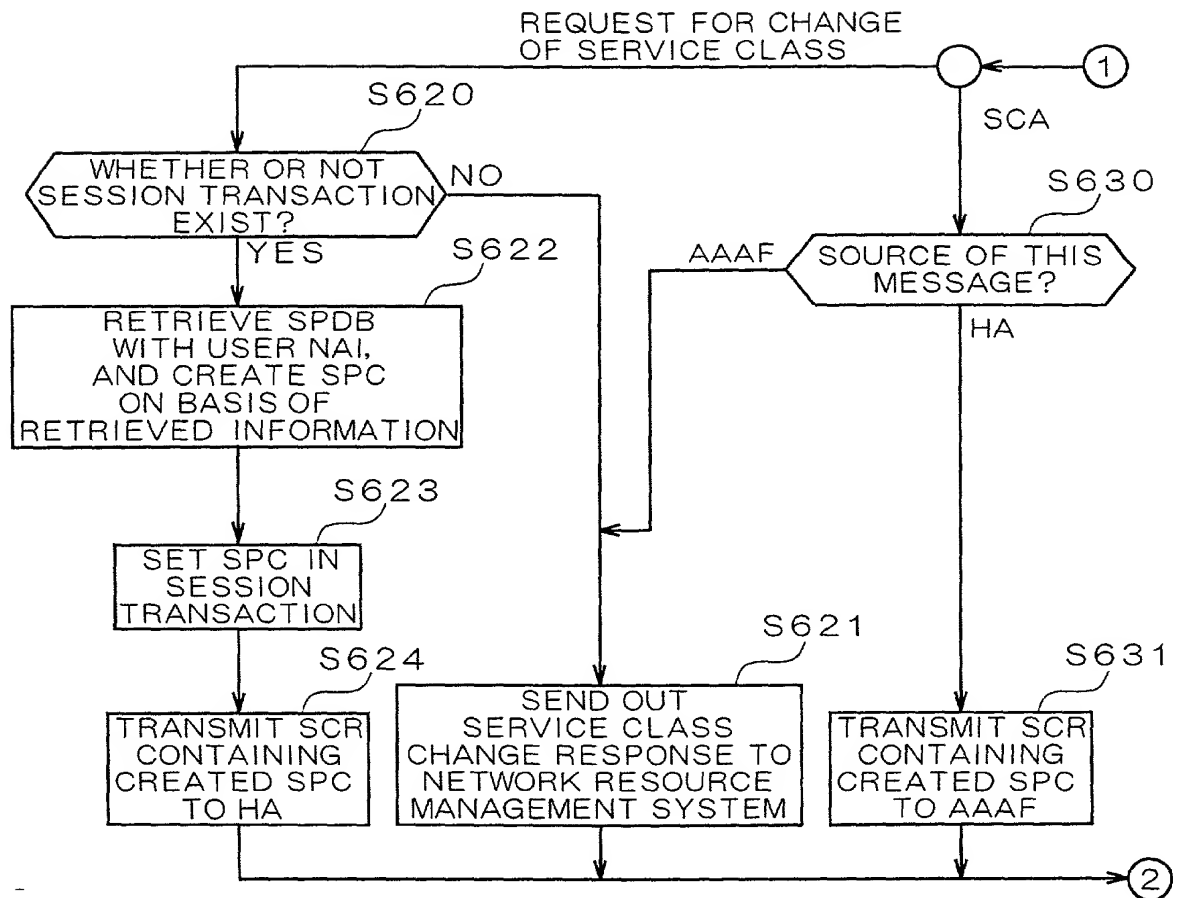


FIG. 59

| MANAGEMENT ID | MANAGEMENT ENTITY (IP ADDRESS) | MAXIMUM CIRCUIT USAGE EFFICIENCY (%) | THRESHOLD OF MAXIMUM CIRCUIT USAGE EFFICIENCY (%) |
|---------------|--------------------------------|--------------------------------------|---|
| 5 | 10. 10. 10. 1 | 45 | 70 |
| 12 | 10. 10. 20. 1 | 42 | 70 |
| 3 | 10. 10. 30. 1 | 35 | 70 |

FIG. 60

| NA I | CONTRACT SERVICE CLASS | SERVICE CLASS ACTUALLY USED | STATUS |
|---------|---------------------------|--------------------------------|--------|
| Aaa@xxx | 1 | 2 | NORMAL |
| Bbb@yyy | 2 | 2 | NORMAL |
| Ccc@yyy | 1 | 1 | NORMAL |

FIG. 61

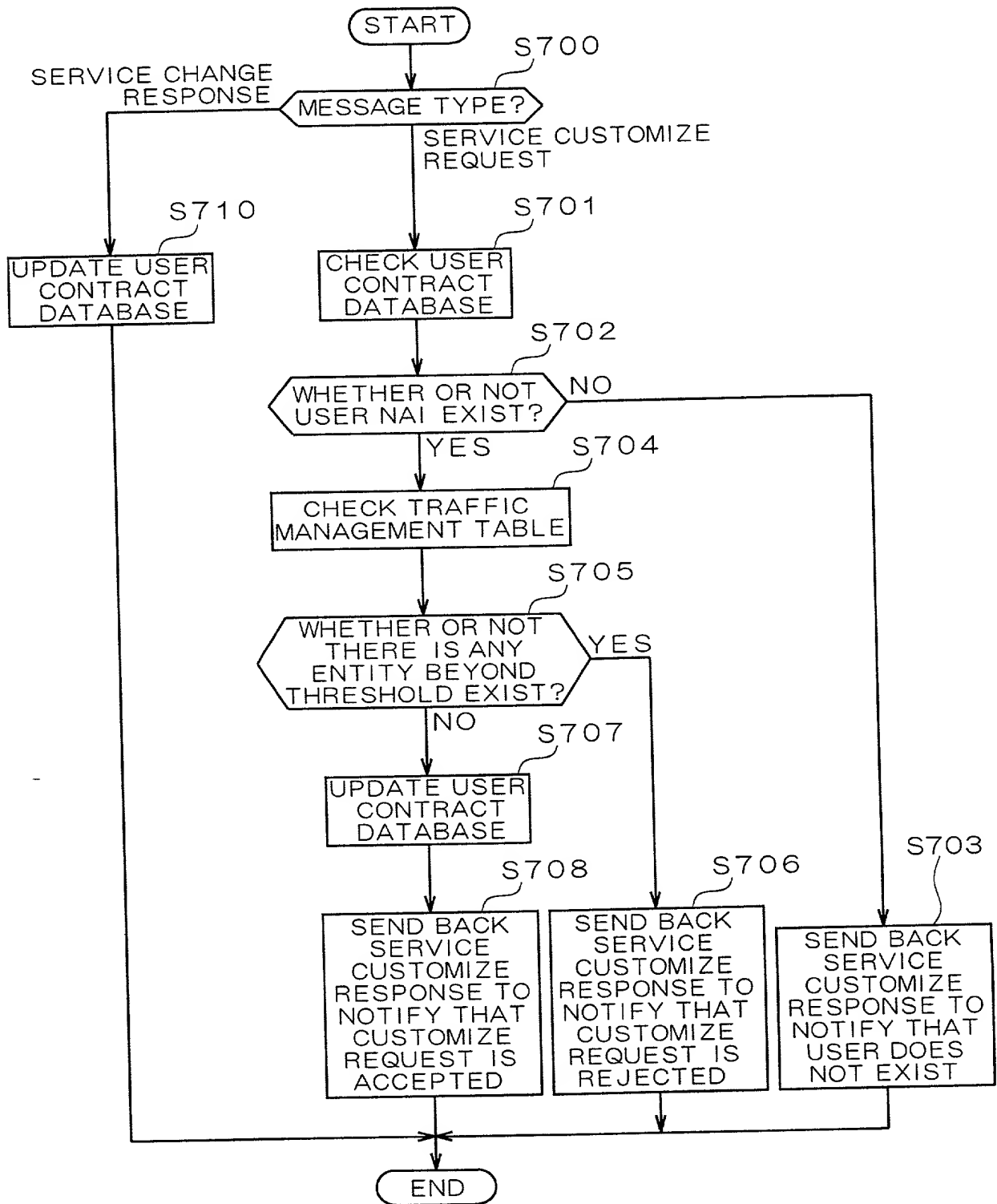


FIG. 62

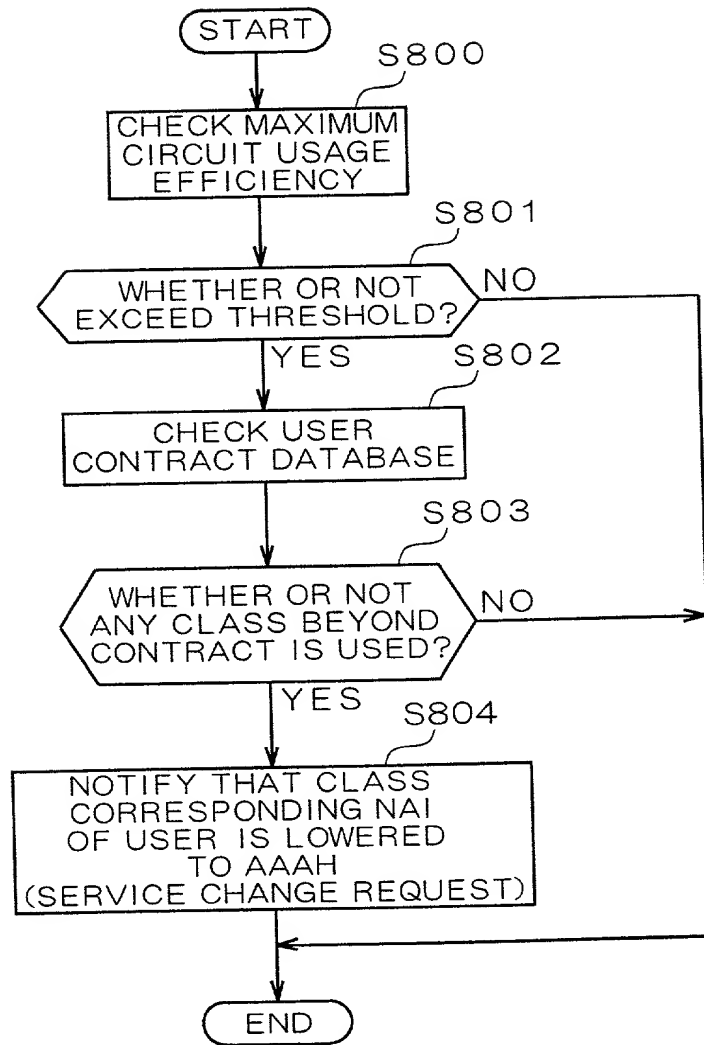
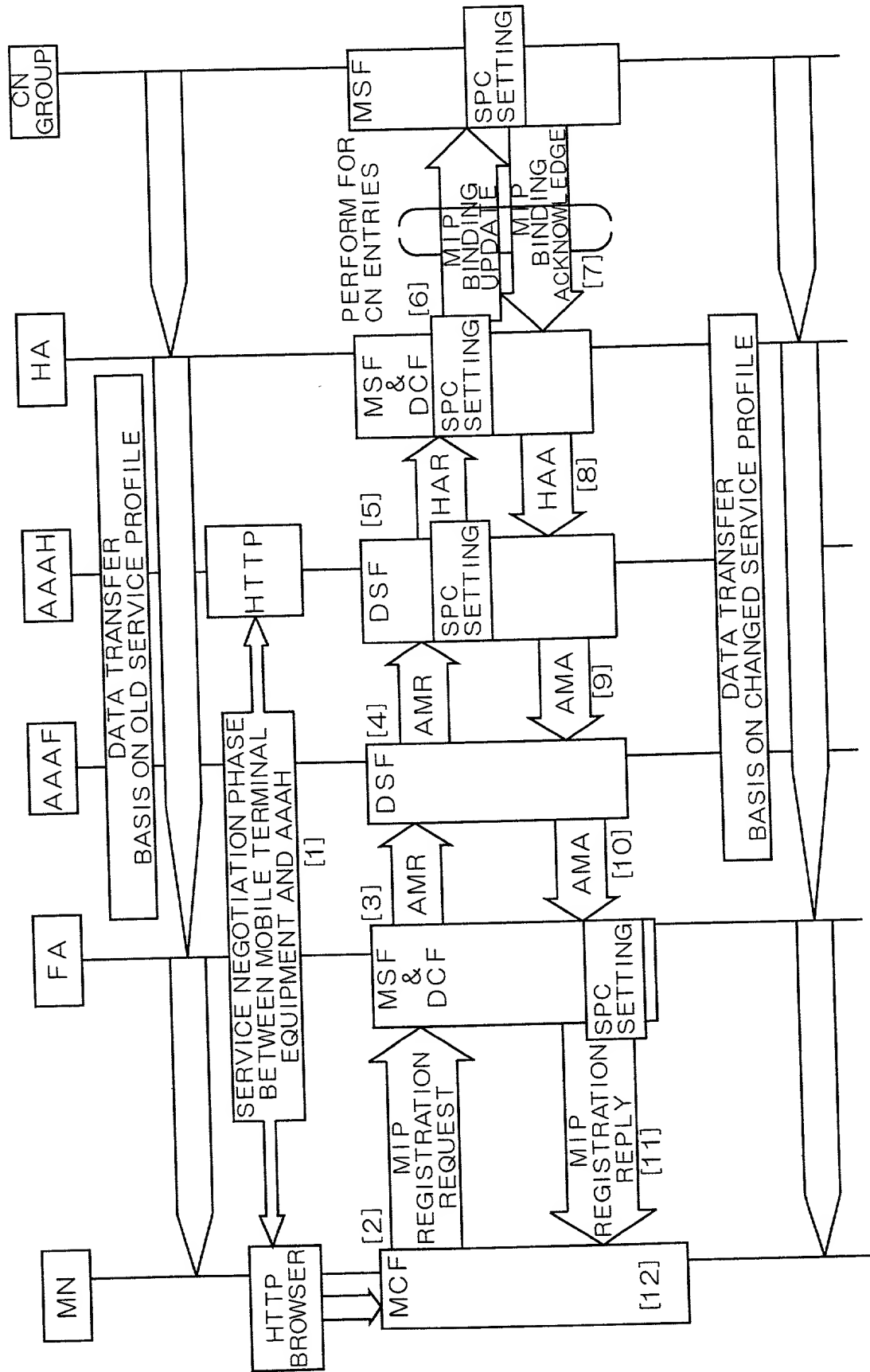


FIG. 63



53/67

FIG. 64

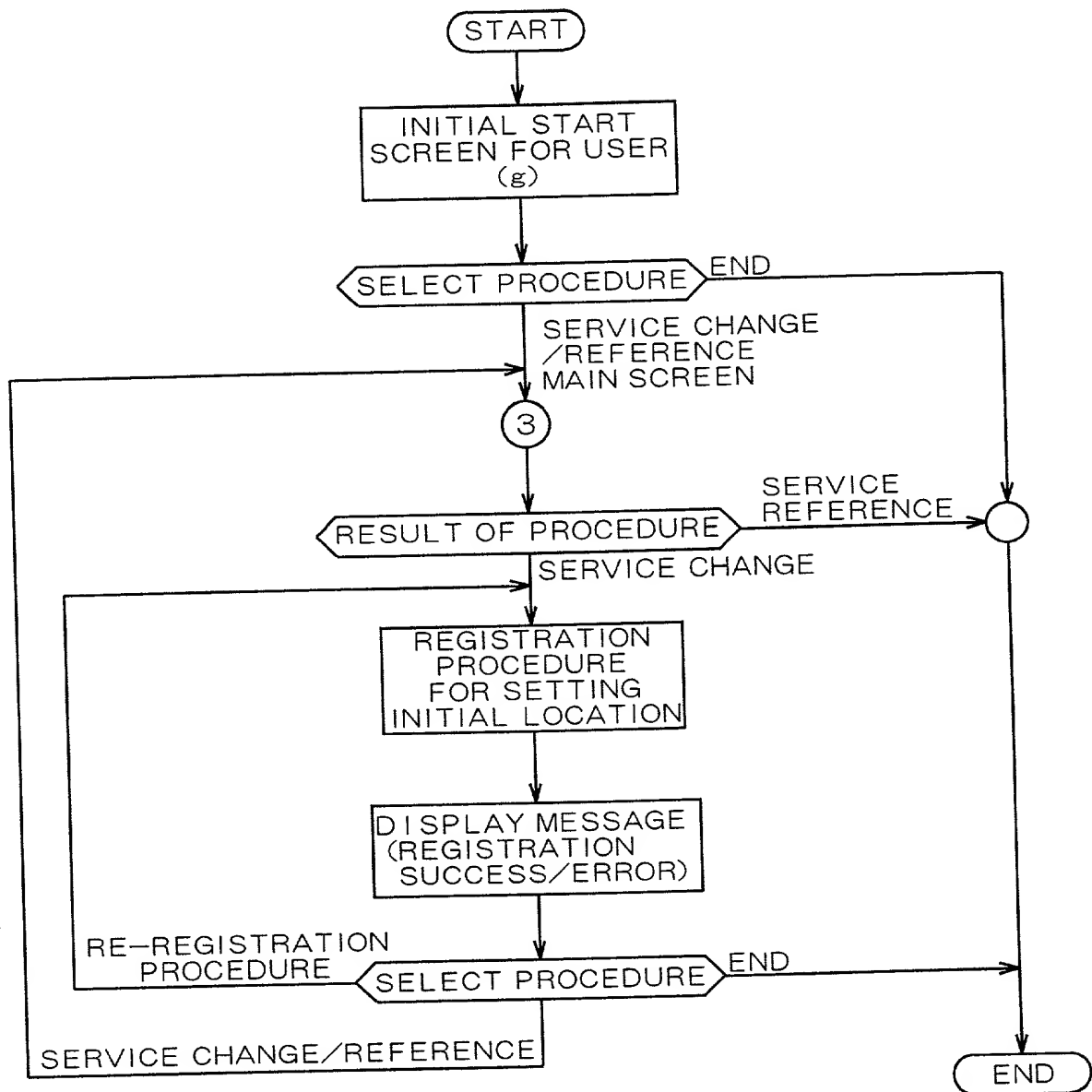


FIG. 65

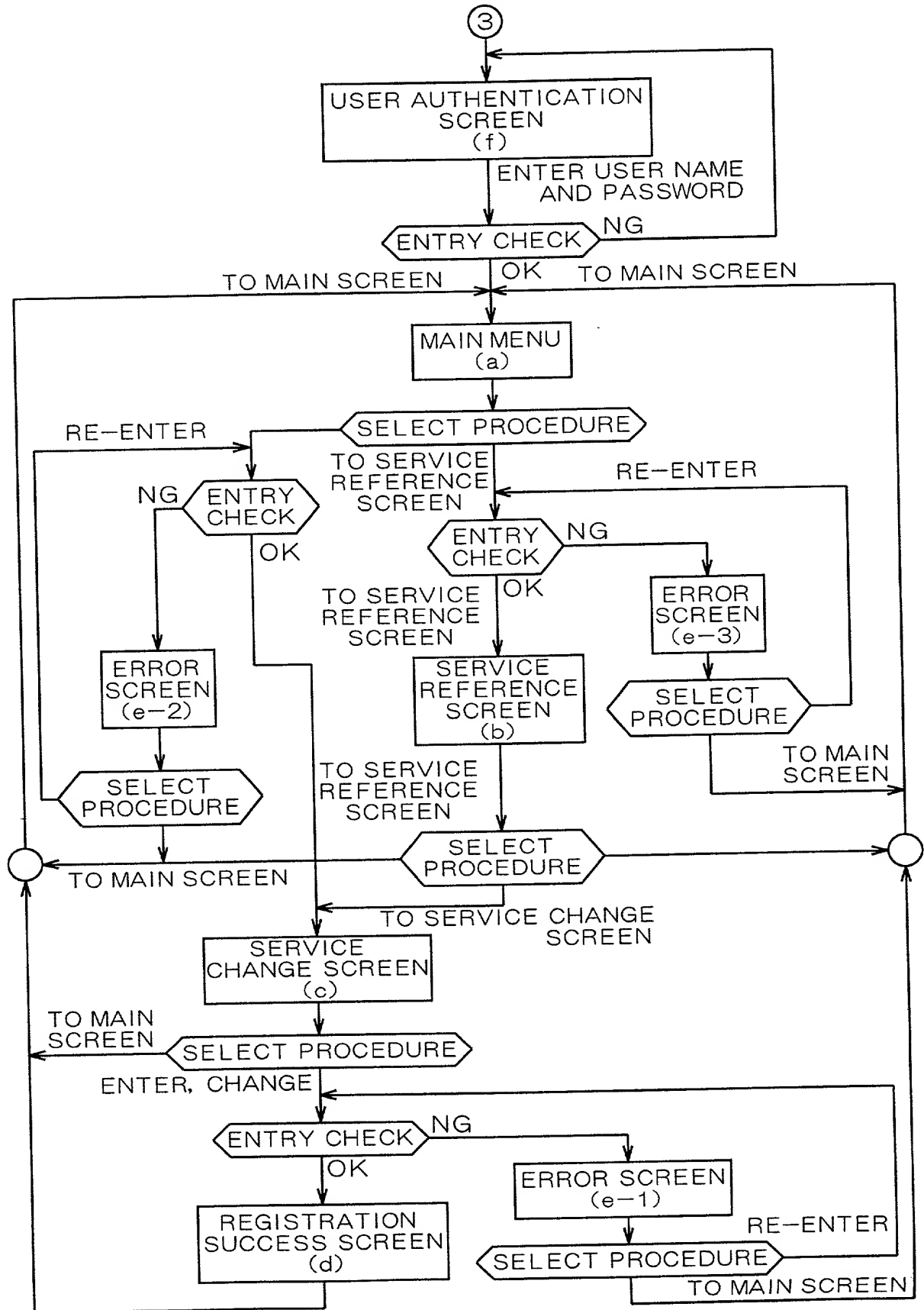


FIG. 66

| ID | NAME OF WUI PROCESS | TITLE OF FILE | NOTE |
|-----|-------------------------------|---------------|---|
| a | MAIN SCREEN | Service.php3 | MAIN SCREEN FOR SERVICE CHANGE SYSTEM |
| b | SERVICE REFERENCE SCREEN | Service.php3 | SERVICE REGISTRATION INFORMATION AT PRESENT IS DISPLAYED. |
| c | SERVICE CHANGE SCREEN | Service.php3 | SERVICE REGISTRATION INFORMATION AT PRESENT AND RANGE OF SERVICE CHANGE AREA DISPLAYED. REQUEST FOR CHANGING SERVICE IS AVAILABLE IN RANGE OF SERVICE CHANGE. |
| d | REGISTRATION SUCCESS SCREEN | Success.php3 | REGISTRATION SUCCESS SCREEN IS DISPLAYED WHEN REQUEST FOR CHANGING SERVICE IS SUCCESSFUL. |
| e-1 | ERROR SCREEN | Err.php3 | SERVICE CHANGE ERROR |
| e-2 | ERROR SCREEN | Err.php3 | START UP SERVICE CHANGE SCREEN ERROR |
| e-3 | ERROR SCREEN | Err.php3 | SERVICE REFERENCE SCREEN START UP ERROR |
| f | ISP AUTHENTICATION SCREEN | Service.php3 | USER AUTHENTICATING SCREEN FOR ISP |
| g | INITIAL START SCREEN FOR USER | User.html | LOCAL PAGE FOR USER. INITIAL LOCATION REGISTRATION REQUEST PROCEDURE IS CALLED FROM THIS PAGE. |

FIG. 67

| SERVICE CHANGE SYSTEM (MAIN SCREEN) | |
|---|---------------|
| SERVICE CHANGE SYSTEM | |
| NAI : | mn-1@xxxxxxxx |
| SPI : | 128 |
| <div>TO SERVICE REFERENCE SCREEN</div> <div>CLEAR</div> <div>TO SERVICE CHANGE SCREEN</div> | |

FIG. 68

| SERVICE CHANGE SYSTEM (SERVICE REFERENCE SCREEN) | |
|---|---------------|
| # CONTRACT SERVICE CLASS | 2 |
| PROFILE NUMBER | 1 |
| OBJECT ENTITY | 1010 0000 |
| SOURCE IP ADDRESS | 10.10.10.1 |
| SOURCE NET MASK | 255.255.255.0 |
| DESTINATION ADDRESS | 10.10.20.1 |
| DESTINATION NET MASK | 255.255.255.0 |
| SOURCE PORT NUMBER | 0 |
| DESTINATION PORT NUMBER | 0 |
| SERVICE TYPE | 4 |
| QoS CLASS | 2 |
| BAND UPPER LIMIT | 255 |
| BAND ASSURANCE | OFF |
| <div>TO SERVICE CHANGE SCREEN</div> <div>TO MAIN SCREEN</div> | |

FIG. 69

| SERVICE CHANGE SYSTEM (SERVICE CHANGE SCREEN) | | | | |
|---|---|---|---|---|
| CONTRACT SERVICE CLASS : 2 | STATUS OF USAGE | SERVICE WITHIN CONTRACT | SERVICE BEYOND CONTRACT | DESIRABLE VALUE |
| <input type="checkbox"/> SERVICE TYPE 1 <input type="checkbox"/> SERVICE TYPE 2 <input type="checkbox"/> SERVICE TYPE 3 <input type="checkbox"/> SERVICE TYPE 4 [SERVICE FOR BAND CONTROL] QOS CLASS BAND UPPER LIMIT (BAND ASSURANCE) | NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE NOW APPLYING 2 255 (off) | 0~2 100 (on) 255 (off) | 0~4 100 (on) 255 (off) 512 (off) 1500 (off) | 3 1500 (off) |
| <input type="button" value="APPLICATION"/> | | <input type="button" value="TO MAIN SCREEN"/> | | <input type="button" value="TO SERVICE CHANGE SCREEN"/> |
| | | | | <input type="button" value="CLEAR"/> |

FIG. 70

| SUCCESS IN REGISTRATION |
|---|
| <p>SERVICE CONTENTS IS CHANGED IN SUCCESSFULLY. (INITIAL LOCATION REGISTERING PROCEDURE IS REQUIRED. PRESS SPECIFIC KEY BOARD.)</p> <p>OK</p> |

FIG. 71

| |
|--|
| ERROR |
| ENTERING ERROR. |
| <div>ENTER AGAIN</div> <div>TO MAIN SCREEN</div> |

FIG. 72

| PASSWORD | |
|-------------------------------|----------|
| ENTER USER NAME AND PASSWORD. | |
| USER NAME : | postgres |
| PASSWORD : | xxxxxxx |
| OK | CLEAR |
| CANCEL | |

FIG. 73

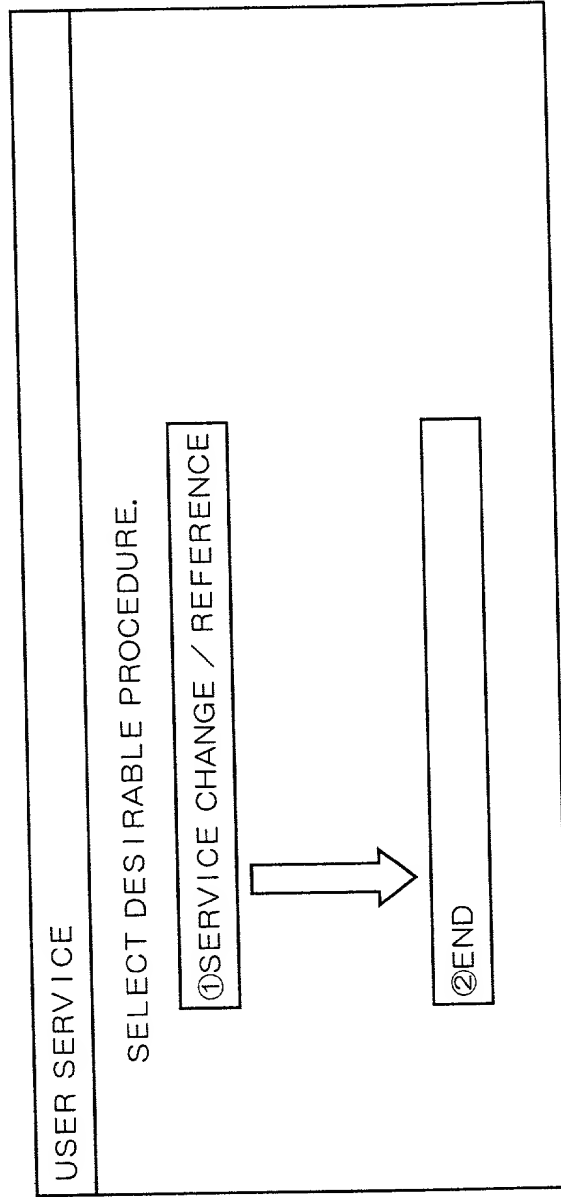


FIG. 75

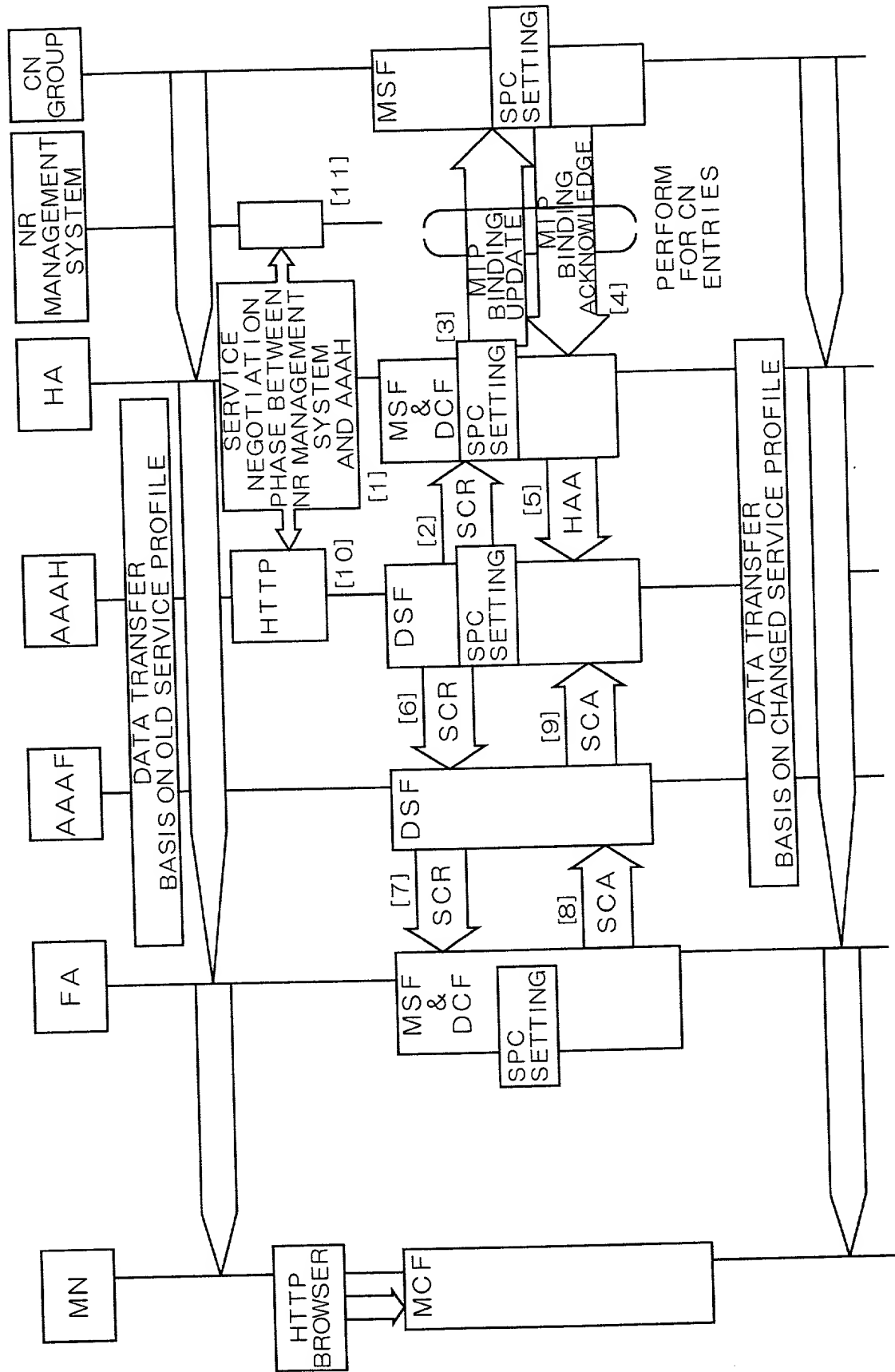


FIG. 76

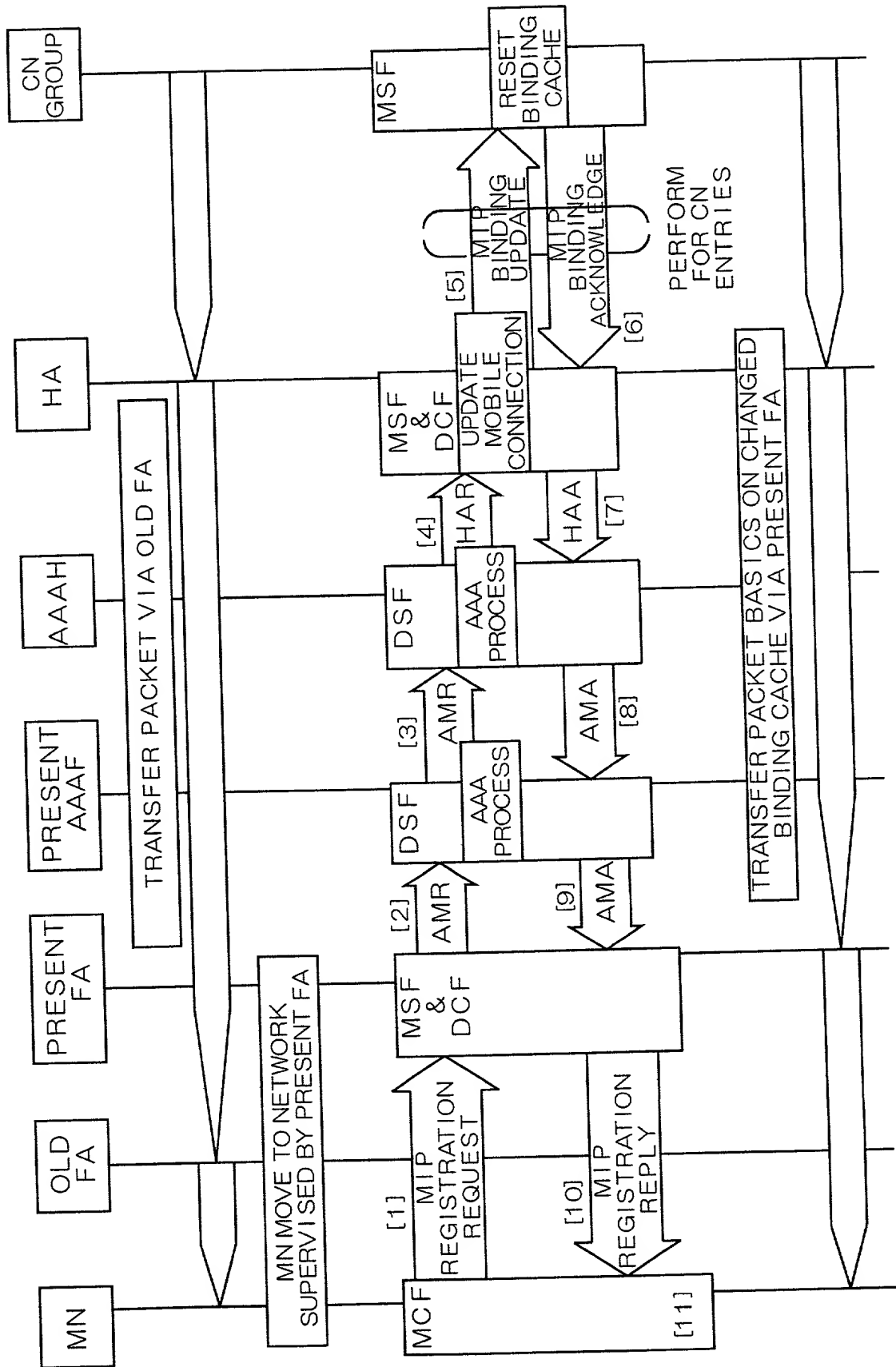


FIG. 77

PRIOR ART

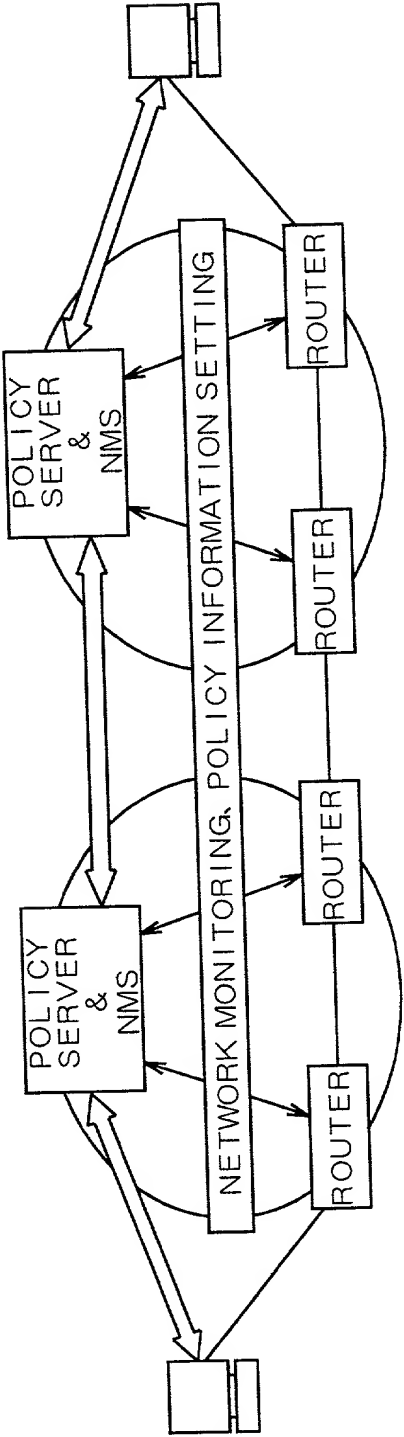


FIG. 78

PRIOR ART

